"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

Department of Botany

Continuous Internal Evaluation

2020-2021

VIVEKANAND COLLEGE ESTD. JUNE 1954 KOLHAPUR

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

Department of Botany

Home Assignment

2020-2021

VIVEKANAND COLLEGE * ESTD. JUNE 1964 * KOLHAPUR 416 003

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

Principal
Vivekanand College
Kolhapur.

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Home Assignment of B. Sc. I

1st July, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Home Assignment of B. Sc I"

Organized by

Department of Botany

On

1st July 2021

Education for Knowledge, Science and Culture."
– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

Department of Botany

Date: 20/06/2021

NOTICE

All B. Sc. I Students hereby informed that, you have to submit the given assignment (Paper I section I and II) on or before 1/07/2021. Write down the assignment on full-scape and submit to the Botany department.

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

I (6)

ASHUTOSH. S. JADHAV
BSc. I st year
Div - B
Roll no - 7221
Sem - II
Sub - BOTANY

Home Assignment

12/20

Q.1. Explain Edaphic factors in detail.

→ Edaphic means soil factors. It is one of the most important ecological factors of soil. It is the outermost layers of earths crust which is natural habitat for plants. Study of soil science is known as Pedology. The factors are :-

(1) Composition : Soil composed of inorganic material, organic matter. soil air and water, flora and fauna. It determines distribution of nature of vegetation with respect to climate.

(2) formation : The soil formation depends on the weathering parent rocks. The process is physical as well as biological. The size of mineral particles are as follows:
Gravel - above 2mm diameter
Coarse - 2 - 0.2 mm diameter
Fine - 0.2 - 0.02 mm diameter
Silt - 0.02 - 0.002 mm diameter
Clay - below 0.002 mm

(3) on the basis of increasing content of soil of the silt, clay [illegible] the three major types

I

of soil are 1) loamy 2) clayey 3) Sandy.

(3) Water content - water is essential for many metabolic process of plants. Soil mainly get water from rain, snow & irrigation. Based on water content, soil can be classified as hygroscopic, capillary, gravitational and water vapour.

Out of which hygroscopic and capillary are useful for plant growth. The water present in soil is in forms of different inorganic minerals.

(4) Soil aeration - Mostly soils are porous in nature. The air can be exchanged on atmospheric cocentration. The oxygen content of soil determ its fertility of soil which is essential for growth and respiratory process of plants.

(5) Temperature - The soil is primary source of heat for soil moisture contool. The soil temperatur for microbial activity favoures at 72°F. Seed germination is favoured at 28°C to 4(8

(6) Organic matter - Organic matter include protein, carbohydrates, lignins, cellulose, etc. Humus is more or less decayed organic matter. It has high carbon content (55%) and 3.6% nitrogen. Humus is rich in forest soil. It helps in improving fertility of soil throughout aeration, percolation of water and addition of minerals back to soil.

(7) Microbes - Different kinds of microbes like bacteria, fungi, algae and actinomycetes are

found in soil. Soil Fauna includes protozoans, nematodes, mites, insects, earthworms, snakes, etc. Soil provides shelter and food to these organisms. Micro organisms helps for decomposition of organic matter and increases nutrient balance.

2. Any 3.

(1) Salient features of Angiosperms.

1. Plant body is saprophytic and diploid and well differentiated into root, stem and leaf. It is also seen as herbs, shrubs, climbers and trees.
2. Vascular tissues are well developed.
3. Angiosperms are heterosporous and have microspores and megaspores for germination.
4. Essential whorl is androcieum, gynocieum. The Non-essential whorl is calyx.
5. Androcieum consists of filament, connective tissue and anther lobe. Anther lobe produces megaspores.
6. Gynocieum consists of stigma, style and ovary. Ovary encloses ovule which produes megspores.
7. Angiosperms show double fertilization cycle. ie. out of 2 male gametes in gametophyte, one of it fuses with egg in the embroyo to form diploid ~~a~~spores and other male gamete fuses with secondary nucleus in same embryo sac to form triploid primary endosperm nucleus.
8. Seed in angiosperm remain enclosed in fruit.
9. Mature seed may be endospermic or non-endospermic

(2) Importance & functions of taxonomy

→ 1. It is a convinient method of identificat of plants and communication of characte of an identified plant.

2. It is a classification based on natural character and affinities among different pl and their groups.

3. It helps to detect the evolution in plant species.

4. It provided the character observed in taxa.

5. It collects data which is useful in other branches of plant science.

Functions of taxonomy:

1. Plant identification is done by using literatu like floras, monographs, manuals.

2. Plant nomenclature as done by international code of botanical nomenclature by the rules.

3. The classification goes as:

Kingdom
↓
Division
↓
Sub-Division
↓
Class
↓
Sub Class
↓
Order
↓
Family
↓
Genus
↓
Species
↓
Variety.

(3) Precipitation:

1. It is the climate factor which affect the growth of plant.
2. The condensation of water vapour in the form of rain drops, frost snow, etc is called precipitation.
3. The precipitation is the main course of main source for sufficient humidity in atmosphere.
4. Water present in atmosphere is always in form of ~~pre~~ vapour.
5. The amount of water vapour increases when atmosphere temperature increases and pressure decreases.
6. Amount of water vapour in atmospheric depends on temperature and wind velocity.
7. At certain temperature and pressure, highest water vapour is present in atmosphere is called as saturation point.
8. When saturation point lowers, water holding capacity at atmospheric reduces and water condenses into rain drops, dew drops, etc.
   This process is called as precipitation.

SEMESTER - II

Botany Home Assignment

I

Name : Prachi Prashant Maskar
Roll No : 7247
Class : BSc I
Div : B
Date : 01 - 07 - 21

Q1. What are the modifications of roots providing mechanical support to the plant? Explain with example. -(Marks 08)

Ans Normal functions of the root are fixation and absorption. The structure of root is just to carry out these functions. But many times it is observed that the root changes its function in order to perform new function or special functions, for this root undergoes change in its structure. This change in structure for the change in function is cla modification.

Roots modified for Mechanical Support -

a) Prop Roots -

i) In some tropical trees like Ficus benghalensis (banyan), the horizontal aerial branches give rise to aerial roots which are provided with root-caps and hang vertically down from the boughs like so many strings. These grow down and, on reaching the soil becoming anchored, they begin to stouten and ultimately become almost as strong as the main trunk. They support the horizontal branches like so many pillars. Ultimately, the main trunk may die when the prop roots fully replace it. Long living banyan trees cover large areas by their spreading branches supported on prop roots.

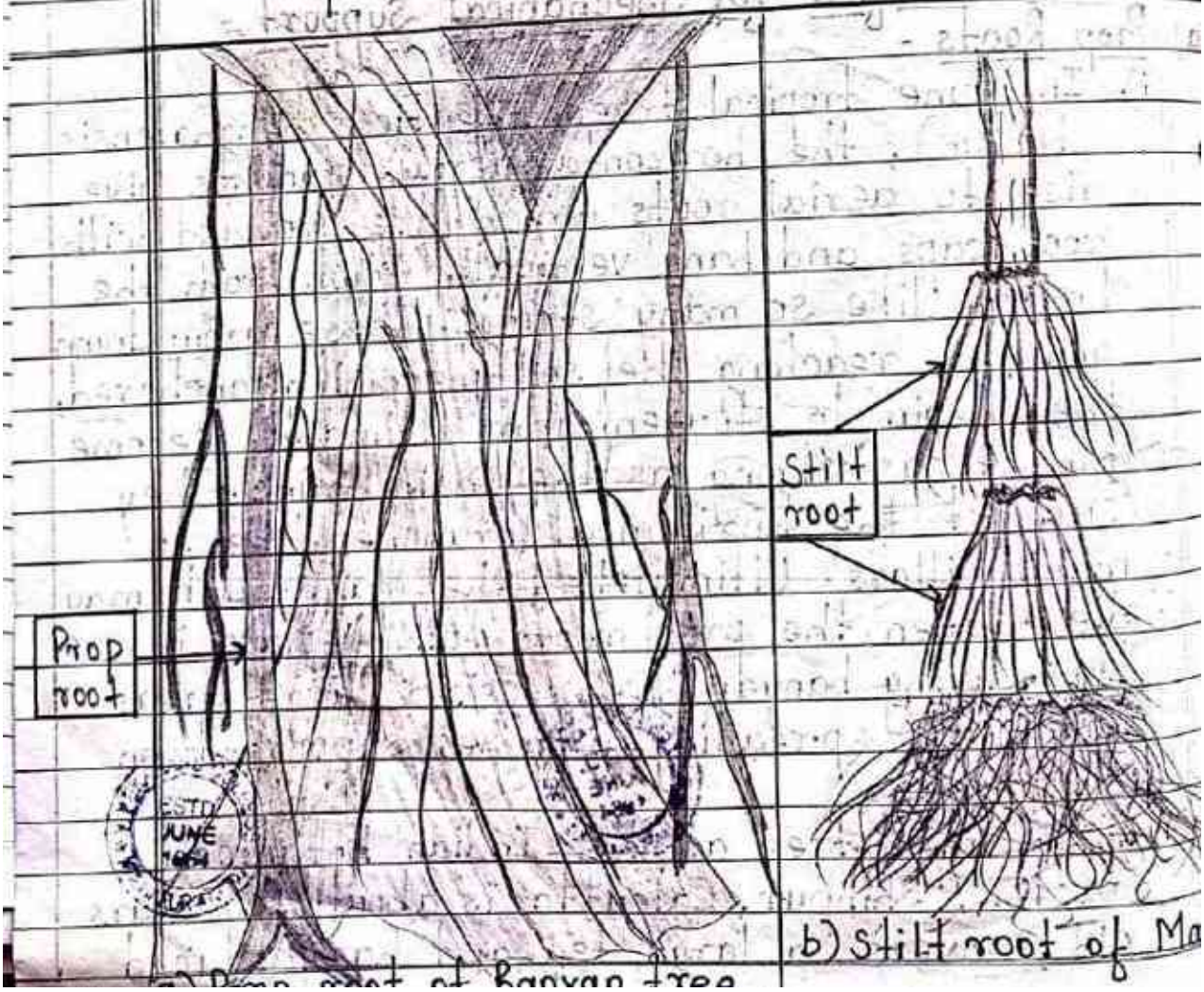
ii) The banyan tree at Indian Botanical Garden, Shibpur, Calcutta is about 200 years old; covers a large tea and has produced

more than 900 prop roots. A similar tree in the Theosophical Society compound Adyar, Madras and another in the Buitenzorg Botanical Garden, Java, are equally remarkable

b) Stilt Roots -

i) Certain monocots, shrubs and small trees like screw-pine (Pandanus foetidus) grow on the edges of tanks, marshes, etc., where the anchorage is not very strong. In these cases, short roots grow obliquely downwards from near the base of the stem and act like stilts providing additional support as well as anchorage to the stem.

ii) The adventitious roots growing from the lower nodes of maize plants act in a similar way. Such stilts roots are also seen in mangrove plants like Rhizophora.



a) Prop root of banyan tree

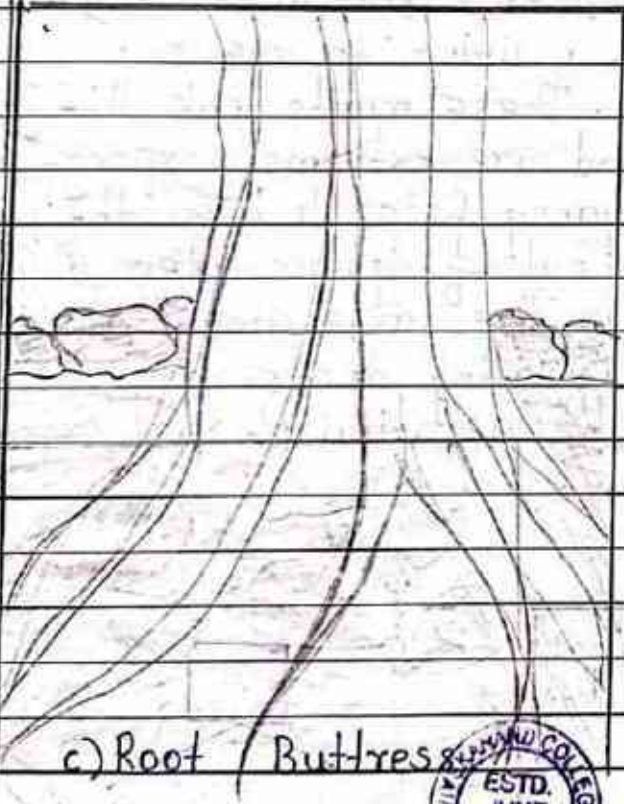
b) Stilt root of Ma

c) Root Buttresses -

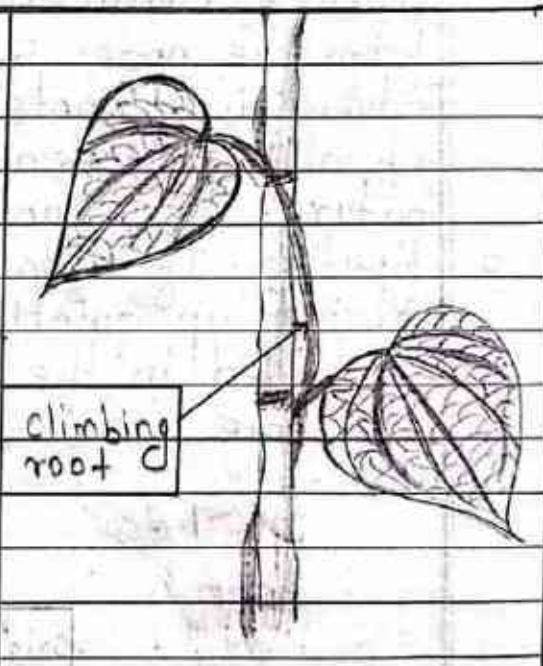
In some large trees, instead of stilt roots, there are great plant-like roots radiating from the base of the tree like wings. These are cla buttresses and are actually partly stem. They may be seen in old trees of Bombax ceiba, Terminalia catappa, Ficus sp., etc.

d) Climbing Roots -

Some climbers can climb up their supports k/a adventitious roots. These are growing from the nodes of the climber, twine round and clasp the support. Common exa. are to be found in the aroid Scindapsus officinalis, the betel vine, etc



c) Root Buttres



d) Climbing root of betel vine

e) Clinging Roots -

Epiphytes like orchids cling to their support by means of special clinging roots which enter the crevices of the support and fix the epiphyte. Clinging roots may carry on

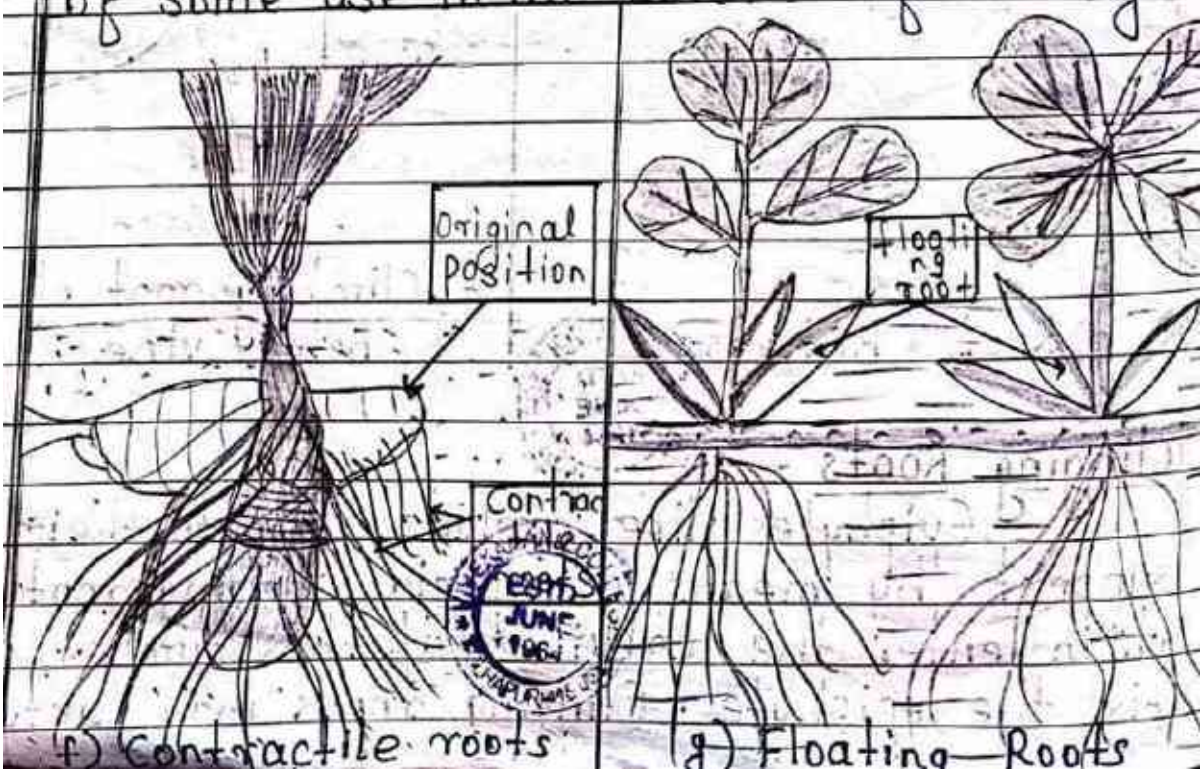
some absorption but are different from the specialised aerial absorbing roots.

f) Contractile or Pull Roots.

In plants with underground stems (rhi bulb, tuber, corn) there are certain roo which are different from the others as t are found to contract or swell so that aerial shoot or the underground parts are kept at a proper level in the soil. These roots are therefore, called pull or cont tile roots. These may be seen in canna Crocus, Allium, Lilium, etc.

g) Floating Roots -

Certain aquatic floating plants like Jus repens (Onagraceae) have special roots growi from the nodes in addition to the ordinary adventitious roots. These roots look like mo of white cotton and are extremely spongy in nature. Their buoyancy helps to keep the pla floating. If taken out of water then dry Shrivel up quickly. The large amount of contained in the floating roots may also of some use in the aeration of submerged



f) Contractile roots g) Floating Roots

Q2. Attempt any three (Marks - 12)

1. Salient features of Angiosperm.

Ans 1) The main plant body is sporophyte (2n) and is differentiate into root, stem, leaf, flower, fruit and seeds. Also the plant are categorize into herbs, shrubs, climbers and trees.

2) The plant body shown distinct conducting system like xylem and Phloem. Xylem consists of vessels and phloem shows sieve cells and companion cells.

3) Vascular tissue are well developed.

4) The reproductive structure in angiosperm is flower.

5) Flower consist of two whorls
   a] Essential whorl - is Androecium & Gynoecium
   b] Non-Essential whorl - is Calyx and Corolla.

6) Angiosperms are heterosporous, microsporous (Pollen), megaspore (embryo sac).

7) Microspores are produced in Androecium whorl and megaspore produced in gynoecium whorl.

8) The androecium consist of filament, connective tissue and anther lobe. Anther lobe produce megaspore (n).

9) The gynoecium consist of stigma, style and ovary. Ovary encloses ovule, which produce megaspore.

10) The megaspore remains in megasporangium, which also remains attached to parent plant, upto formation of seed.

11) The gametophyte are very much reduced. Both male and female gametophyte are dependent on sporophyte for nutrition.

12) The male gametophyte is represented by germinating microspore or pollen tube having male gamete (n).

2) Importance and functions of taxonomy.

Ans The branch of science which deals with the study of collection, identification, nomenclature, description and classification of plants is k/a taxonomy.

- Importance of Taxonomy -

1) It provides a convenient method of identification of plants and communication of character is identified plants.
2) It provides classification which is based on natural character and affinities among different plants and their groups.
3) It provides the characters observed in tax by means of flora.
4) It helps to detect the evolution in plant species.
5) It collects the data which is useful in other branches of plant science.

- Functions of Taxonomy -

1) Identification of Plants - Done by using literatur like Floras, Monographs, Manuals.
2) Plant Nomenclature - International code of Botanical Nomenclature (ICBN) thr' its rules and recommendations.
3) Classifica^n -
Kingdom - Highest toxomic category composed of different division.
Division - The division is a category compose of related class.
class - It is group of sub-class.

3) Precipitation

Ans 1) The condensation of water vapour in the form of rain drops, frost snow, etc is cla Precipitation.

2) The precipitation is main cause of rain, for precipitation sufficient humidity in atmosphere is essential.

3) Water present in atmosphere is always in the form of vapour.

4) Amount of water vapour in atmosphere is depends on atmospheric temp. and wind velocity.

5) The amount of water vapour increases when atmospheric temp. increases and pressure decreases.

6) At specific temp. and pressure of atmosphere highest water vapour is present in atmosphere which is k/a Saturation point.

7) When at saturation point atmospheric temp. is lowered then water holding capacity of atmosphere reduces.

8) This causes condensation of water vapour in the form of rain drops, dew drops frost, snow.

This process is k/a precipitation.

B. Sc. I / Sem. II Repeat - III

Assignment Result (out of 10)

Vivekanand College, Kolhapur (Autonomous)

Botany: B.Sc. - I

Date : Time :

Prof. Name : Sign :

	Roll no	Sign	Roll	Sign	Roll	Sign	Roll	Sign	Roll	Sign	Roll	Sign
1	7354		7397		7438	10	7479		7522		7565	10
2	7355		7398		7439	10	7480	09	7523	10	7566	09
3	7356		7399		7440		7481	10	7524		7568	09
4	7357		7400	09	7441		7482	10	7525	10	7569	
5	7358		7401	09	7442	10	7483		7526		7570	
6	7359	09	7402	09	7443		7484		7528		7571	09
7	7361		7403		7444	09	7485	08	7529		7572	10
8	7362		7404	09	7445		7486		7530		7573	
9	7363		7405	10	7446		7487		7531		7574	
10	7364	10	7406	09	7447		7488		7532		7575	
11	7365		7407		7448		7489	09	7533		7576	10
12	7366	05	7408	09	7449		7490		7534		7577	
13	7367	09	7409		7450		7491		7535		7578	
14	7368		7410	09	7451	10	7492		7536		7579	09
15	7370	09	7411		7552	10	7494		7537		7580	
16	7371	10	7412		7453		7495		7538		7581	09
17	7372		7413	09	7454		7496		7539		7582	
18	7373	04	7414	10	7455	09	7497		7540		7583	
19	7374	10	7415		7456	09	7498		7541		7584	
20	7375		7416		7457	10	7499		7542	10	7585	
21	7376		7417	10	7458	09	7500	09	7543		7586	
22	7377		7418		7459	09	7501		7544	10	7587	09
23	7378		7419	09	7460		7502		7545		7588	
24	7379		7420		7461		7503		7546	10	7589	10
25	7380		7421		7462	09	7504	05	7547	10	7590	
26	7381		7422		7463		7505	09	7548		7591	
27	7382		7423	09	7464	10	7506		7549	05	9592	
28	7383		7424		7465		7507		7550		7593	
29	7384		7425		7466	10	7508	09	7551		7594	
30	7385	10	7426		7467		7509		7552		7600	09
31	7386		7427	09	7468	09	7510		7553		7597	09
32	7387		7428		7469		7512		7554	09		
33	7388		7429		7470	09	7513		7555	10		
34	7389		7430	09	7471		7514	09	7556			
35	7390		7431	09	7472		7515		7557			
36	7391	10	7432		7473	10	7516		7558			
37	7392	09	7433	09	7474		7517		7559	09		
38	7393		7434		7475		7518		7560			
39	7394		7435	09	7476	10	7519		7561	09		
40	7395		7436	09	7477		7520		7562	09		
41	7396	09	7437		7478	10	7521		7564			

7235-09

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Head
Department of Botany
Vivekanand College
Kolhapur

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(Autonomous)

KOLHAPUR (AUTONOMOUS)

"Home Assignment of B. Sc II "

Organized by

Department of Botany

On

13th July 2021

VIVEKANAND COLLEGE * ESTD. JUNE 1964 * KOLHAPUR-416003

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Home Assignment of B. Sc. II

13th July, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Education for Knowledge, Science and Culture."
– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS),
KOLHAPUR.

Department of Botany

Date: 20/06/2021

NOTICE

All B. Sc. II Students hereby informed that, you have to submit the given home assignment of Botany (Paper III) on or before 13/07/2021. Write down the assignment on full-scape and submit to the Botany department.

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416 003

।। ज्ञान विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ।।
- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND JUNIOR COLLEGE, KOLHAPUR.

कोल्हापूर

Answer Paper Signature of Supervisor _____

Exam.: B.Sc S.Y. Roll No.: 7502 Class: _____ Div: _____

Subject: BOTANY Paper: _____ Section: _____ Date: _____

BEGIN YOUR ANSWER ON THE PAGE ITSELF WRITE BOTH SIDE OF THE PAPER

Question No.	1	2	3	4	5	6	7	8	9	10	Total	Out of
Marks Obtained												19/20

NAME:- BIRANJE SONALI UTTAM.

Q.1 Select correct alternative.

1. Hyosyamous niger is an example of | Long Day Plant (LDP)

2. Naturally occuring growth harmone in conconut is | cytokinins.

3. Histogen theory was proposed by | Hanstein

4. Campanion cells are present in | Angiosperm

Q.2. Attempt any one of following.

2. Describe the anomalous Secondary growth in Bignonia stem?

Ans: Bignonia is a beautiful, dicot woody climber & it belongs to natural order Bignoniaceae. The stem is green & quadrangular in the initial stages. later on it becomes woody circular. The secondary growth in this stem is very unique & takes place due to the abnormal behaviour of the cambium during later stages. The posit & development of cambium ring is normal, as in any other dico

VIVEKANAND COLLEGE KOLHAPUR (E.S.T.D. JUNE 1962)

20/20 Perfect

P.P.

Vivekanand college, Kolhapur
Department of Botany
BSc II Sem III
Assignment of Plant Protection.

Name - Kunal Kumar Parvan.
Roll No - 7718

Q.1 Give classification of plant diseases based on abiotic causes.

→ Abiotic factor. In Abiotic group consist of non-Parasitic causal agencies and the corresponding diseases produced is the non-Parasitic diseases. the diseases are very difficult to diagonose non-parasi diseases are known as difficiency diseases.

i) Deficiency / Excess of nutrients - Abnormalitie appear in plant due to either pronunced shortage of supply or in excess of certain essential element whi disturb normal nutritive processes and these abnorm alities are known as mineral deficiency or mineral excess diseases these diseases are processed by some characterstatic symptoms like chlorosis yellowi defoliation PH of soil can be damage to the plant some of soil can be stand considerable alkalinity or acidity but most grow best around neutral or slightly acidic PH.

ii) Low / Extreme light - Both reduced or increased intensities of light change in develpmen of light reduced light promotes succulent growth. along with developing internode longer then usual and turining weak in physical structure Also, retard chlorophyll formation as a result of which normal

"Education for Knowledge, Science and Culture."

– Shikshanmaharshi Dr. Bapuji Salunkhe

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

DEPARTMENT OF BOTANY

Notice

Students of B. Sc. III here by informed that, internal exam of Botany (Sem-V) will be scheduled on 05/07/2021, Monday. The internal exam is compulsory to all students.

Head

Head
Department of Botany
Vivekanand College
Kolhapur
Department of botany

ESTD. JUNE 1962

II

॥ ज्ञान विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ॥
- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's (15)

VIVEKANAND JUNIOR COLLEGE, KOLHAPUR.

कोल्हापूर Answer Paper Signature of Supervisor _____

Exam.: B.Sc S.Y. Roll No.: 7502 Class: _____ Div.: _____

Subject: BOTANY Paper: _____ Section: _____ Date: _____

BEGIN YOUR ANSWER ON THE PAGE ITSELF WRITE BOTH SIDE OF THE PAPER

Question No.	1	2	3	4	5	6	7	8	9	10	Total	Out of
Marks Obtained												19/20

NAME:- BIRANJE SONALI UTTAM.

Q.1 Select correct alternative.

1. Hyosyamous niger is an example of | Long Day Plant (LDP)

2. Naturally occuring growth hormone in conconut is | cytokinins.

3. Histogen theory was proposed by | Hanstein

4. Campanion cells are present in | Angiosperm

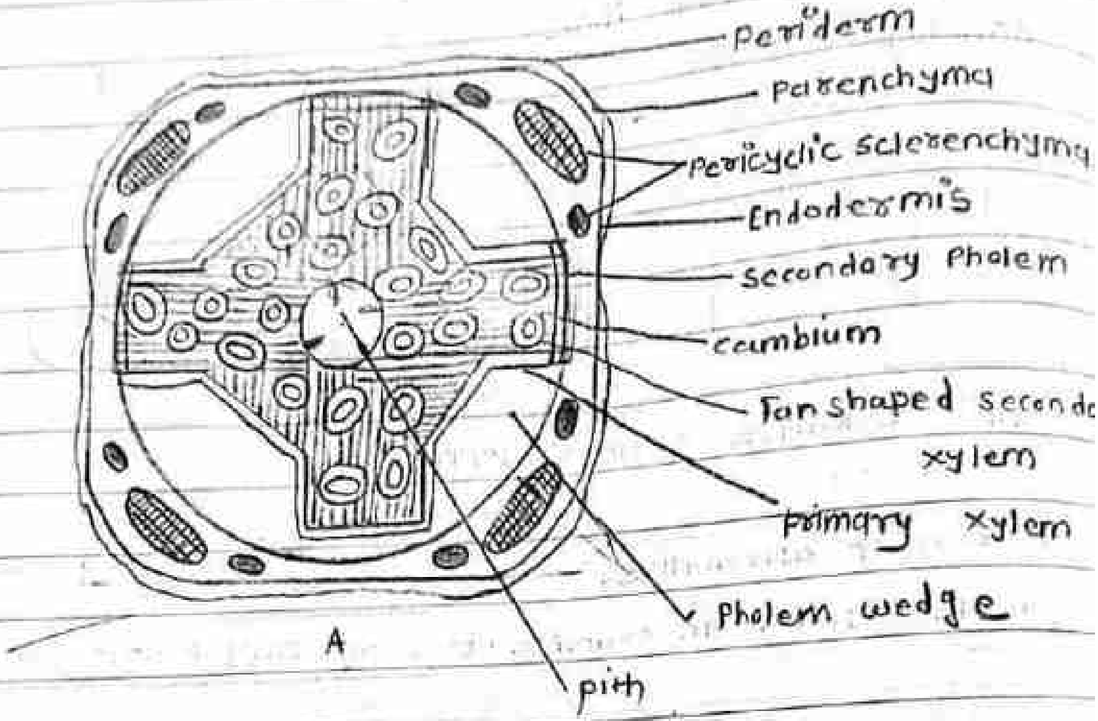
Q.2. Attempt any one of following.

2. Describe the anomalous Secondary growth in Bignonia stem?

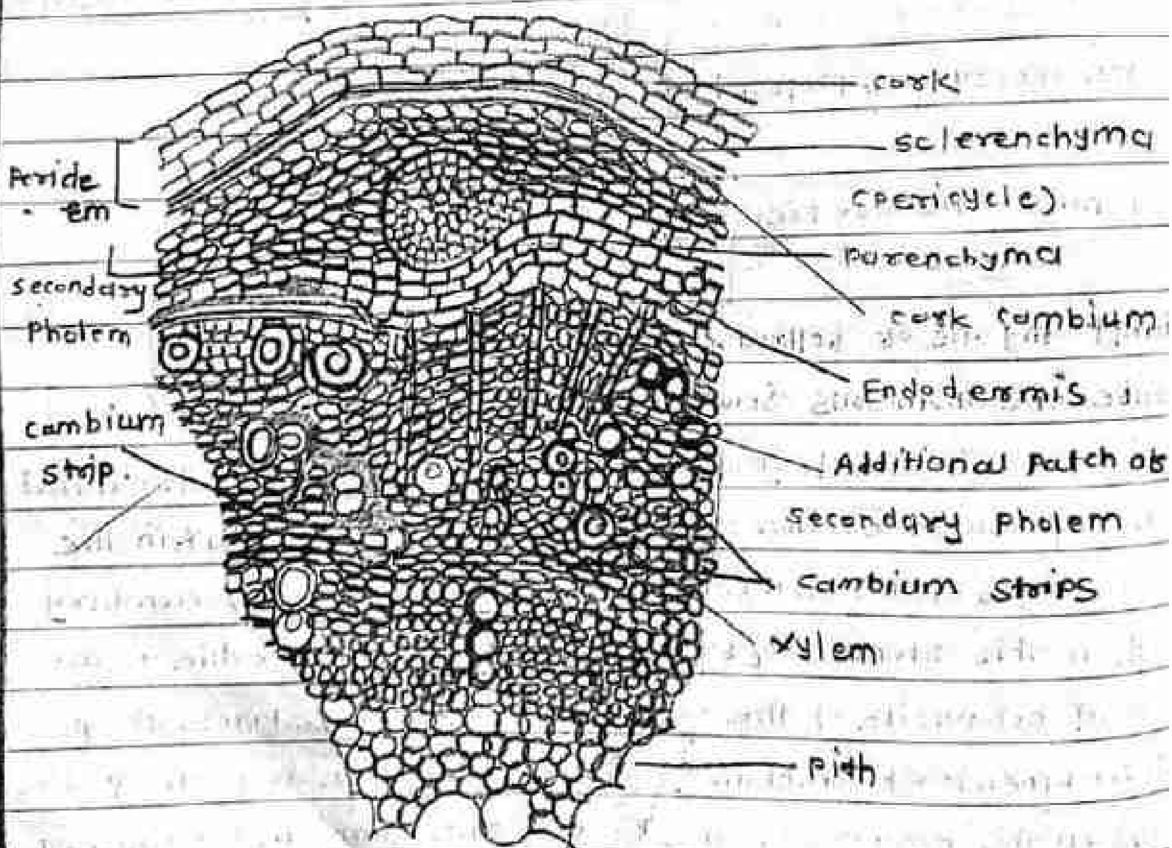
Ans: Bignonia is a beautiful, dicot woody climber & it belongs to natural - order Bignoniaceae. The stem is green & quadrangular in the initial stages. later on it becomes woody circular. The secondary growth in this stem is very peculiar & takes place due to the abnormal behaviour of the cambium during later stages. The position & development of cambium ring is normal, as in any other dicot -stem. In the begining of the process the cambium behaviour is normal i.e it Produces equal amount of Secondary xylem on the inner side & an equal amount of Secondary Pholem on the

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

other side. Lateron after producing some secondary tis...
in normal



A



5 Anamolous secondary grow in Bignonia.

Vascular cambium ring produces Secondary xylem & Secondary Phloem in the Stelar region. The production of secondary xylem on the inner side & Secondary Phloem to the outer side is the normal behaviour of the cambium ring. The amount of secondary tissues remain equal at all the regions on the surfaces of the cambium ring during normal Secondary growth, when the secondary growth shows any deviation from normal The monocot plants under growth it is called anomalous.

manner, at four regions placed in crosswise manner the cambium produces greter amount of Secondary Phem Phloem on its outer side than the amount of secondary xylem in the same regions on it's inner side. Due to which wedges later on get embeded or intruded deeply into the secondary xylem. The production of unequal amount of Secondary tissues. i.e less Secondary xylem & more secondary phloem at four regions is abnormal behaviour of the cambium ring. This abnormal activity is restricted to four diagonally or crosswise placed cambium strips. It results into the Production of xylem cylinder with four ridges & furrows or fan shaped xylem cylinder Inold stem.

Thus the transverse section of Bignonia old stem show

① The secondary xylem is grooved at four places is due to intrusion of additional secondary phloem patches.

② The primary phloem gets crushed & primary xylem is pushed in the pith region.

③ The secondary phloem form a ring & at four diagonal places, it intrudes into secondary xylem cylinder.

④ The cambium ring seprates xylem & phloem & is depressed in the region of secondary phloem patches.

⑤ Secondary xylem is fan shaped due to intrusion at four regions of secondary Phloem.

⑥ After addition of Sufficient amount of Secondary xylem & secondary phloem (in the stelar region) the development.

of periderm takes place in the epidermal region. due to formation of many layers of periderm the outline of the section becomes more or less circular, instead of original quadrangular.

The anomalous secondary growth in the stem of Bigno. nia is an adaptation required by the plant. Bignonia being the climber, the stem is relatively weak & it requires some support for climbing. when the stem moves towards the light with the help of some support it grows around the support. when the stem grows around the support, its inner side gets compressed & outer side gets stretched while growing or coilling around the solid support. it only hard tissue like secondary xylem remains in the central part of the stem, during compression & streching the stem would break or crack. To avoid the breaking or cracking of the stem it, requires some soft tissues in the central region. These soft tissues are provided in the form of additional secondary phelem patches in the secondary xylem cylinder. so four secondary phelem patches intrude secondary tetxylem cylinder due to abnormal behaviour of cambium & helps the plant in climbing. Therefore, there is a direct relation betn anamolous secondary growth & climbing habit of the plant. Hence this anomalous secondary growth in Bignoniad stem is described as adaptive anomolous secondary growth.

Q3 3] causes of seed dormancy.

a] Nature of seed coats :- Many legums, lotus & several other plants have hard seed coats the seed coats may be impregnated with waxes & other substances seed coats may be resistant to the growth of the embryo.

1] Impermiability :- The seed can may be hard & impermiable to water In gases & members of compositae, seed coats are permiable

- to water but impermiable to oxygen · when oxygen is prevented, embryo does not grow as respiratory activity is retarded · In some the seed coat is permeable to oxygen to oxygen but impermiable to co_2 · So due to accumulation of co_2 growth of embryo is inhibited · In Xanthenium · there are two seeds in the fruit · the upper seed has a higher oxygen requirement · And it germinate · one year after the germination · of the lower one.

ii) Mechanical Resistance :-

In some species the seed coats are permiable to both water & gases but are so that they can not be broken by the growing embryo. & therefore there is no germination In several seeds, dormancy is due to mechanical resistances of Seed-cots

3

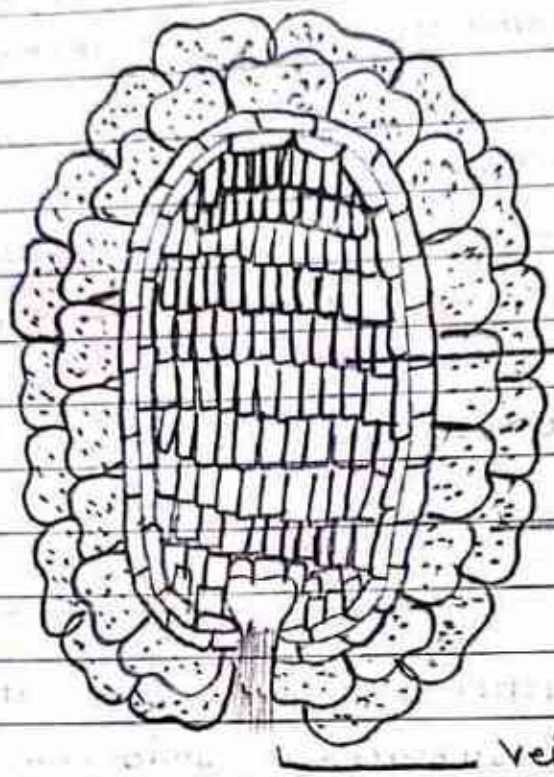
4] Hydathodes :-

These are the structures that exude water from - interior of leaf to its surfaces in humid condition the process called guttation.

Hydathodes are present along the margins or in the leaf lamina · Each hydathodes consists of a group of - loosely arranged living cell's. called epithem. the Inner cellular spaces in epithem are filled with water In the epithemal region small opening is present below white just above the epithem tissue when pressure develops in the conducting system excess water is pushed in forward direction & it extends through this pore · the exuded water may contain various salts, sugar & other organic substance.

Hydathods are of different types viz · unicellular Hydathodes, trichrome Hydathodes & Hydathodes with water conducting elements · trichome Hydathodes are present in the membrane of family convolvulacea Piperaceae etc. they are capitate, scale like structure · the unicellular Hydathodes show mucilagenous papilla which produces out & come above the epidermis [illegible] water conducting Hydathodes are present [illegible], primula, Nephrolepis.

- Tomatoo, tropeolum, Arum, Potato, Black pepper, Eichhornia & many grasses.



HYDATHODES

Name - Ashwini Bajirao Barade. Roll No. - 7501

(5)

॥ ज्ञान विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ॥
- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND JUNIOR COLLEGE, KOLHAPUR.

विवेकानंद कॉलेज कोल्हापूर

Answer Paper Signature of Supervisor _____

Exam.: _____ Roll No.: 7501 Class: B.Sc.II Div: B

Subject: Botany Paper: _____ Section: _____ Date: 22-2-2020.

BEGIN YOUR ANSWER ON THE PAGE ITSELF WRITE BOTH SIDE OF THE PAPER

Question No.	1	2	3	4	5	6	7	8	9	10	Total	Out of
Marks Obtained												18/20

Que 1. Select correct alternative.

1. Hyosyamous niger is an example of long day plant.

2. Naturally occuring growth hormone in coconut is cytokinins.

3. Histogen theory was proposed by Hanstein.

4. Companion cells are present in Angiosperms.

Que.2. Attempt any one following.

1. Explain the anomalous secondary growth in Bignonia stem.

Ans → Bignonia is a beautiful, dicot woody climber & it belongs to natural order Bignoniaceae the stem is green & quadrangular in the initial stages later on it becomes woody, circular. The secondary growth in this stem is very peculiar as & takes place due to the abnormal behaviour

VIVEKANAND COLLEGE ESTD JUNE 1964 KOLHAPUR

of the cambium during later stages. The
& developement ring is normal, as in any other
stem. In the begining of the process the cambium
behaviour is normal i.e. it produces equal amount
secondary xylem on the inner side & equal amount
secondary phloem on the outer side. later on
producing some secondary tissue in normal manner
at four regions placed in cross wise manner
cambium produces greater amount of secondary
phloem on its outer side than the amount of secondary
ary xylem in the same regions on its inner side.
Due to which wedges or patches of secondary
phloem are formed at these four places which
later on get embeded or intruded deeply in
secondary xylem. The production of unequal amount
of secondary tissue i.e. less secondary xylem and
more secondary phloem at four regions, is abnor
rmal behaviour of the cambium ring. This abnor
mal activity is restricted to four diagonally placed
crosswise placed cambium strips. It results
into the production of xylem cylinder with four
ridges & furrows or fan shaped xylem cylinder
in old stem.

Thus the transverse section of Bignonia
old stem shows:

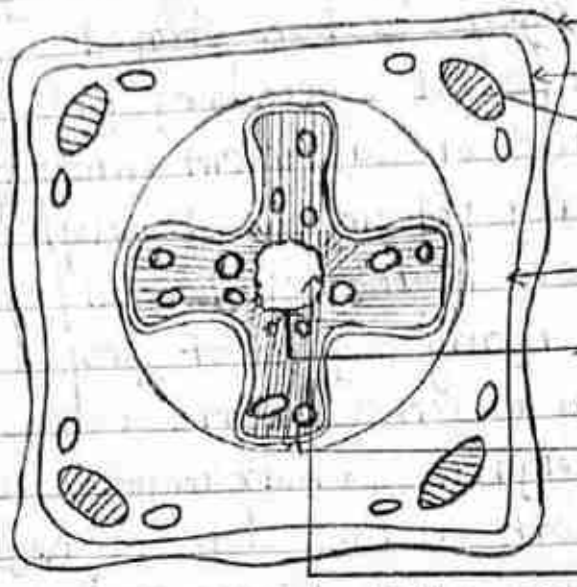
[i] The secondary xylem is grooved at four
due to intrusion of additional secondary phloem.

[ii] The primary phloem gets crushed & primary
xylem is pushed in the pith region.

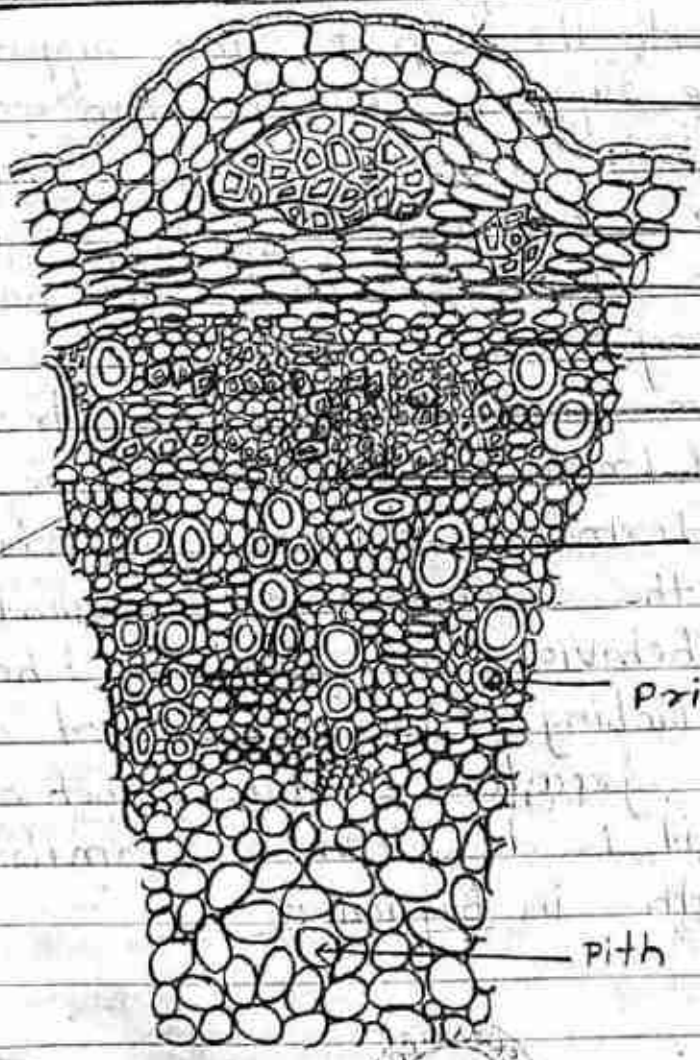
[iii] The secondary phloem form a ring & at
diagonal places, it intrudes into secondary
xylem cylinder.

[iv] The cambium ring separates xylem & phloem

is depressed in the region of secondary phloem patches.
[v] secondary xylem is fan shaped due to intrusion at four regions of secondary phloem.
[vi] After addition of sufficient amount of secondary xylem & secondary phloem the development of periderm takes place in the epidermal region. Due to formation of many layers of periderm, the outline of the section becomes more or less circular, instead of original grandrangular, The anomalous secondary growth in the stem of Bignonia adaption required by the plant. Bignonia being the climber, the stem is relatively weak & it requires some support for climbing. when the stem moves towards the light with the help of some support it grows around the support. when the stem grows around the support, its inner side gets compressed & outer side get streched while growing or coiling around the solid support. If any hard tissue like secondary xylem remains in the central part of the stem during compression & strenching the stem would break. These soft tissues are provided in the form of additional secondary phloem patches in the secondary xylem cylinder due to abnormal behaviour of Cambium & helps the plant in climbing. There is direct relation bet^{n} anomalous growth & climbing habit of plant. Therefore, it is described as anomalous secondary growth in Bignonia.



outline of T.S. of Bignonia stem



T.S. of Bignonia stem

Que.3 Attempt any two.

3] Causes of seed dormancy.

a] Nature of seed coats:- many legumes, lotus & several other plants have hard seed coats the seed coats may be impregnated with waxes or other substances. seed coats may be resistant to the growth of the embryo.

i) Impermeability :- The seed can may be hard & impermeable to water. In gasses & members of compositae, seed coats are permeable to water but impermeable to oxygen. when oxygen is prevented, embryo does not grow as respiratory activity is retarded. In some, the seed coat is permeable to oxygen but impermeable to CO_2. so due to accumulation of CO_2, growth of embryo is inhibited. In xanthium, there are two seeds in the fruit. The upper seed has a higher oxygen requirement. Add it germinate one year after the germination of the lower one.

(ii) Mechanical Resistance.

In some species, the seed coats are permeable to both & water & gases but are so that they cannot be broken by the growing embryo. & therefore, there is no germination In several seeds, dormancy is due to mechanical resistance of seed coats.

4] Hydathodes

There are the structures that exude water from interior of leaf to it's surfaces in humid condition the process called guattation.

Hydathodes are present along the margins or in the leaf lamina. Each hydathodes consists of a group of loosely arranged living cells called epithem. The inner cellular spaces in epithem are filled with wate[illegible] the epithemal region small opening is prese[illegible] below which there is a

Vivekanand College, Kolhapur (Autonomous)

Botany: B.Sc. - II Section - I

Date : Dr. M. N. Desai Time :

Prof. Name : Dr. S. D. Patil Sign.

	Roll no	Sign	Roll	Sign	Roll	Sign	Roll	Sign	Roll	Sign	Roll	Sign
1	7827	09	7868	08	7909	07	7950	08				
2	7828	08	7869	07	7910	08	7951	08				
3	7829	07	7870	08	7911	09	7952	07				
4	7830	07	7871	05	7912	07	7953	09				
5	7831	08	7872	09	7913	08	7954	09				
6	7832	08	7873	09	7914	07	7955	08				
7	7833	08	7874	09	7915	09	7956	09				
8	7834	05	7875	09	7916	08	7957	10				
9	7835	07	7876	07	7917	09	7958	08				
10	7836	10	7877	07	7918	09	7959	08				
11	7837	08	7878	09	7919	08	7960	08				
12	7838	08	7879	08	7920	08	7961	09				
13	7839	09	7880	07	7921	07	7962	08				
14	7840	08	7881	09	7922	09	7963	08				
15	7841		7882	07	7923	08	7964	05				
16	7842	08	7883	08	7924	07	7965	08				
17	7843	08	7884	09	7925	07	7966	09				
18	7844	07	7885	08	7926	07	7967	08				
19	7845	08	7886	08	7927	08	7968	09				
20	7846	08	7887	08	7928	09	7969	08				
21	7847	09	7888	08	7929	09	7970	08				
22	7848	09	7889	08	7930	07	7971	09				
23	7849	08	7890	08	7931	07	7972	08				
24	7850	08	7891	09	7932	05	7973	06				
25	7851	07	7892	08	7933	07	7974	08				
26	7852	07	7893	07	7934	07	7975	—				
27	7853	08	7894	05	7935	08	7976	—				
28	7854	07	7895	09	7936	09	7977	05				
29	7855	08	7896	09	7937	08	7978	06				
30	7856	06	7897	07	7938	09	7982	05				
31	7857	09	7898	09	7939	08	7981	06				
32	7858	09	7899	08	7940	08	7986	06				
33	7859	05	7900	08	7941	09	7979	06				
34	7860	09	7901	09	7942	09	7987	05				
35	7861	09	7902	09	7943	09	7980	05				
36	7862	08	7903	08	7944	09						
37	7863	07	7904	09	7945	08						
38	7864	06	7905	09	7946	09						
39	7865	09	7906	08	7947	08						
40	7866	08	7907	07	7948	09						
41	7867	08	7908	09	7949							

Sunika Shekhal Patil

ESTD. JUNE 1964

For Head
Department of Botany
Vivekanand College
Kolhapur

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Home Assignment of B. Sc II (PP) "

Organized by

Department of Botany

On

13th July 2021

VIVEKANAND COLLEGE * KOLHAPUR-416 003 * ESTD. JUNE 1964

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Home Assignment of B. Sc. II (PP)

13th July, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Education for Knowledge, Science and Culture."
– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

Department of Botany

Date: 20/06/2021

NOTICE

All B. Sc. II Students hereby informed that, you have to submit the given home assignment of Plant Protection (Paper III) on or before 13/07/2021. Write down the assignment on full-scape and submit to the Botany department.

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

Name:- Pratik P. Desai
Std:- BSC II, SEM III
Sub:- P.P
ROLL NO:- 7719

20/20 Pratik

P.P.

Q.1. Give classification of plant diseases based on abiotic cause.

→ Classification of plant diseases based on abiotic cause:-

• Abiotic factors:- Biotic factors comprises of causal agencies and the diseases produced is the parasitic disease whereas in abiotic group consists of non-parasitic causal agencies and the corresponding disease produced in the non-parasitic disease.

Disease resulting from abiotic group of causal agencies are frequently very difficult to diagnose. Non-parasitic diseases are also known as deficiency diseases.

1] Deficiency / Excess of nutrients:- ~~Abnormalities~~ Abnormalities appear in plants due to either pronounced shortage of supply or in excess of certain essential elements which disturbs normal nutritive processes and these abnormalities are known as mineral deficiency or mineral-excess diseases.

These diseases are expressed by some characteristic symptoms like chlorosis yellowing, defoliation, resetting, dark spots etc.

• PH of soil can be damaging to plants some plants can withstand considerable alkalinity or acidity, but most grow best around neutrality or slight acidity. An unfavourable pH results in poor growth and sometimes death.

• Chlorosis is ~~a~~ most common iron-deficiency disease symptom: Boron deficiency affects storage organs of

plants such as roots, tubers, fruits
Symptoms appears are dry root
caused by distoriation and necrosis
of fleshy tissue.

2] Low/extreme light :- Both reduced or
increased intensities of light change
the development of plant. Reduced lig
promotes succulent growth along wi
developing internodes longer than us
and turning weak in physical struct
Also retards chlorophyll formation
as a result of which normal gree
colour does not develop resulting
in the etiolation. Extreme/ greater
intensity of light inducing sunscald o
leaves and fruits of vegetables.

3] Unfavourable oxygen supply and soi
moisture :- Unfavourable oxygen supply
affects the photosynthesis process and
therefore disturb physiological proces
of plant and therefore, plant growt
is stunted.

Soil moisture imbalance in diseased plan
is associated with a dearrangement in its
absorption, transport and transpiratio
and is often accompanied by a disturban
to the various other basic processes such
as carbohydrate and nitrogen metaboli
respiration and mineral uptake.

Different plants react differently
with regard to soil moisture variation
The most apparent effects of soil-
moisture imbalance are wilting, die-
back, scorch, blast, firming etc.

The physical structure of the soil not only affects its water retaining capacity and aeration but if sufficiently hard and compact, can retard the growth of roots and so changed in plants.

4] Atmospheric impurities:- Gas, smoke and other impurities present in atmosphere cause serious damage to the plant parts. Shade trees are commonly injured by unfavourable conditions of air or soil arising from industrial processes. Death or injury is often caused by the escape of artificial illuminating gas into the soil or by the escape of steam over-heating the soil, encountered in young succulent plants which are sensitive to some of the constituents of illuminating gas. Forest trees are often affected by smoke. The smoke injury is caused by the gases arising from the incomplete combustion of coal. The symptoms consist of a variety of forms from yellowing and reddening of tissues of leaves to defoliation and stunting.

5] Air pollutants:- Plants affected by air pollutants generally respond according to the principal toxicant present. Burning / bronzing, silvering and growth abnormalities and necrosis are common symptoms. Sulphurdioxide causes black tip in mango necrosis.

6] Fungicides and Insecticides:- Certain chemicals fungicides and insecticides when sprayed on plants, if sufficient care is not taking during use, cause injuries particularly to the leaves The injuries are in the forms of discolouration of affected parts, abnormal growth leading to unusual rapid development of certain parts of the leaf induced by the spraying of pesticide 2,4-D.

Resetting in apples may be caused by parathion, burning, spotting discolouration by improper application of Bordeaux mixture sprays.

(10)

Q.2 write shortnotes:

i] Phytoalexins:- A substance that is produced by plant tissues in response to contact with a parasatic and specifically inhabits the growth of that parasite.

- Phytoalexins are low molecular weight compounds, with antimicrobial properties against a wide range of fungi and other organisms.
- They are synthesized by the plants and accumulated in them after exposure to potential pathogen.
- They tend to fall into several classes including terpenoids, glycosteroidy and alkaloids.
- Phytoalexins produced in plants act as toxins to the attacking organism.
- They may punt puncture the cell wall delay maturation, disrupt metabolism etc.

(5)

Page No
Date

ii] Siderophores :-

→ These are small, high affinity iron-chelating compounds secreted by microorganisms such as fungi, bacteria and serving to transport iron across cell membranes.

→ Examples of sidephores :- ferrichrome, ornibactin, fusarinine C, rhodotorulic acid etc.

→ siderophores become important in the ecological niche defined by low iron availability.

→ siderophores have application in medicine for iron and aluminium-overload therapy.

→ These are useful as drugs in facilitating iron mobilization in humans.

→ siderophores, natural or synthetic can chelate metal ions other than iron ions eg :- aluminium, chromium copper, zinc, magnese, uranium etc.

5

P.P.

Vivekanand college, Kolhapur
Department of Botany
BSc II Sem III
Assignment of Plant Protection.

Name - Kunal Kumar Parvan.
Roll No - 7718

Q.1 Give classification of plant diseases based on abiotic causes.

→ Abiotic factor - In Abiotic group consist of non-parasitic causal agencies and the corresponding diseases produced is the non-parasitic diseases. thes diseases are very difficult to diagonose non-parasit diseases are known as difficiency diseases.

i) Deficiency / Excess of nutrients - Abnormalities appear in plant due to either pronounced shortage of supply or in excess of certain essential element which disturb normal nutritive processes and these abnormalities are known as mineral deficiency or mineral excess diseases. these diseases are processed by some characteristic symptoms like chlorosis yellowing defoliation PH of soil can be damage to the plants some of soil can be stand considerable alkalinity or acidity but most grow best around neutral or slightly acidic PH.

ii) Low / Extreme light - Both reduced or increased intensities of light change in develpment of light reduced light promotes succulent growth. along with developing internode longer then usual and tobining weak in physical structure Also, retard chlorophyll formation as a result of which normal green colour does not develop resulting in the etiolation extrem / g intensity of light inducing succulent of growth with developing internode.

9.9

longer than used and turning weak in physical structure Also, retard chlorophyll formation as a result of which normal green colour does not develop resulting in the etiolation extreme(great intensity of light including sunscald of leaves and fruit of vegetables.

iii) Unfavorable oxygen supply and soil moisture Unfavorable O_2 supply affects to the Photosynthesis process and therefore, disturb physiological process of plant and therefore plant growth in stunted.

Soil moisture imbalance in diseased plant causes problem in absorption, transport and transpiration Also disturbance to the various basic process like carbohydrate and nitrogen metabolism effect of soil moisture imbalance are wilting dieback, blast etc.

iv) Atmospheric impurities - Gases, smoke and other impurities present in atmosphere causes serious damage to the plant parts shade trees are commonly injury often unfavorable condition of the air or soil arising from industrial process death or injury often caused by the escape as stem over heating the soil - encounted in young succulent plants which are very sensitive to same of the constituent of illuminating gas.

v) Air pollution - plants affected by air pollutant generally respond according to the principal toxicant present Bunning bronzing, silver, growth abnormalities and nechosis are common symptom, sulphur oxide causes black tip or mango necrosis.

(10)

Q.2 Short Notes - Notes -

a) Phytoalexins -

i) Phytoalexins are low molecular weight compound with antimicrobial properties against a wide range of fungi and other organisms.

ii) they are synthesized by the plant and acculate in them after exposure to a potential pathogen.

iii) they tend to fall into several classes including terpenoids, glycosteroid & alcoloids.

iv) They are produced in the plant act as toxins to the attacking organism.

v) They many punctuate the cell-wall delay maturation disrupt metabolism etc.

b) Siderophores -

i) These are small, high affinity iron-chelating compound secreted by micro-organism such as fungi bacteria and serving to transport iron across cell membrane.

ii) Example of siderophores - ferichrome aerobactin fusarinine c, & hedatonalic acid etc.

iii) siderophores become important in the ecological niche defined by low iron availability

iv) Siderophores have application in medicine for iron and aluminium overload theraphy.

v) These are useful as drugs in facilitating iron mobilization in humans.

vi) siderophores natural or synthetic and chelate metains other than iron ions.

eg :- Al, Cr, mg, etc.

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

B.Sc.Part-II Plant Protection Section–I

Date: (Sem. IV) Time:

Prof.Name: Sign.

Roll No.	Sign.	Roll No.	Sign.	Roll No.	Sign.	Roll No.	Sign.
7867	10	7877	10	7887	10	7897	09
7868	10	7878	10	7888	10	7898	10
7869	05	7879	10	7889	09	7899	10
7870	09	7880	10	7890	10	7900	10
7871	10	7881	10	7891		7901	10
7872		7882	10	7892	10	7902	09
7873	10	7883	09	7893	06	7903	10
7874	10	7884	05	7894		7904	10
7875	10	7885	10	7895			
7876	10	7886	10	7896	10		

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE KOLHAPUR (M.S.) ESTD. JUNE 1964

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Home Assignment of B. Sc III"

Organized by

Department of Botany

On

5th July 2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Home Assignment of B. Sc. III

5th July, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

(21)

Education for Knowledge, Science and Culture."
– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

Department of Botany

Date: 22/06/2021

NOTICE

All B. Sc. III Students hereby informed that, you have to submit the given home assignment of Botany (Paper V and VI) on or before 05/07/2021. Write down the assignment on full-scape and submit to the Botany department.

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416 003

20/20 B.Sc. III

HOME ASSIGNMENT - I

NAME - SIDDHIKA JAHIDAHMAD BAGWAN

STD - B.Sc-III rd SUB - BOTANY

Roll No:- 8253

Q.1 What is linkage Give types of linkage based on crossing over.

Ans:- The hereditary units or genes determining characters of an individual are carried in the chromosomes. The individual usually has many genes for the determination of various characters The number of genes is an organism is very large than haploid or diploid number of chromosomes Therefore, a chromosome always bears more than one gene. The genes for different characters may be either situated in the same chromosome or in different chromosomes.

Thus, when two or more characters of parents are transmitted to the offsprings of few generations such as F1, F2, F3 (Friral) etc. without any recombination, they are called as the linked characters. The tendency of these characters to pass on to next generation in groups is called linkage.

The phenomenon linkage is a deviation from the Mendelian principle of independent assortment Mendel's law of Independent assorment is applicable to the genes that are situated in seperate chromosomes. When genes for different characters are located in the same chromosome, they are tied to one another and are said to be linked. They are inherited together by the offspring and will not be assorted independently. Thus, the tendency of two or more genes in the same chromosome to remain together in process of inheritance is called

GoodLuck | Page No.
Date

Linkage".

The phenamenon of Linkage was widely stud and it was widely studied and it was concluded th Linkage occured in many ways. Thus, Linkage was classified accordingly on basis of three broad cat viz. i] Based on crossing over. ii] Based on genes involved. iii] Based on chromosomes involved.

i] Based on Crossing over :- Linkage is classified into

a] complete Linkage. b] Incomplete Linkage.

a] complete Linkage :-

when the linked characters (or genes) are inherited together, through two or more generations linkage is said to be complete. In this type of linkag genes are closely associated and tend to transmit together.

In complete linkage the chromosomes do no undergo any breakage by accident during gametoge nesis. As a result of this, the young one inherite only the parental characters. New characters do no appear among the young one; so complete linkage produces only parental combination.

It is known in case of males of Drosophila and females of silkworm, where there is complete absence of crossing over. In Drosophila, a cross between wild type Drosophila with grey body & long wings & black body and vestigeal produced a F_1 hybrid possessing Grey body and long wings & black body and vestigeal produced a F_1 hybrid possessing Grey body and long winged progeny. The F_1 hybrid was crossed (backcross) with recessive female which produced two types of gametes in which the genes are linked (gBL) or gBl), hence are inherited together. This resulted in two types of offsprings produced so

Royal

the F2 generation in equal numbers.

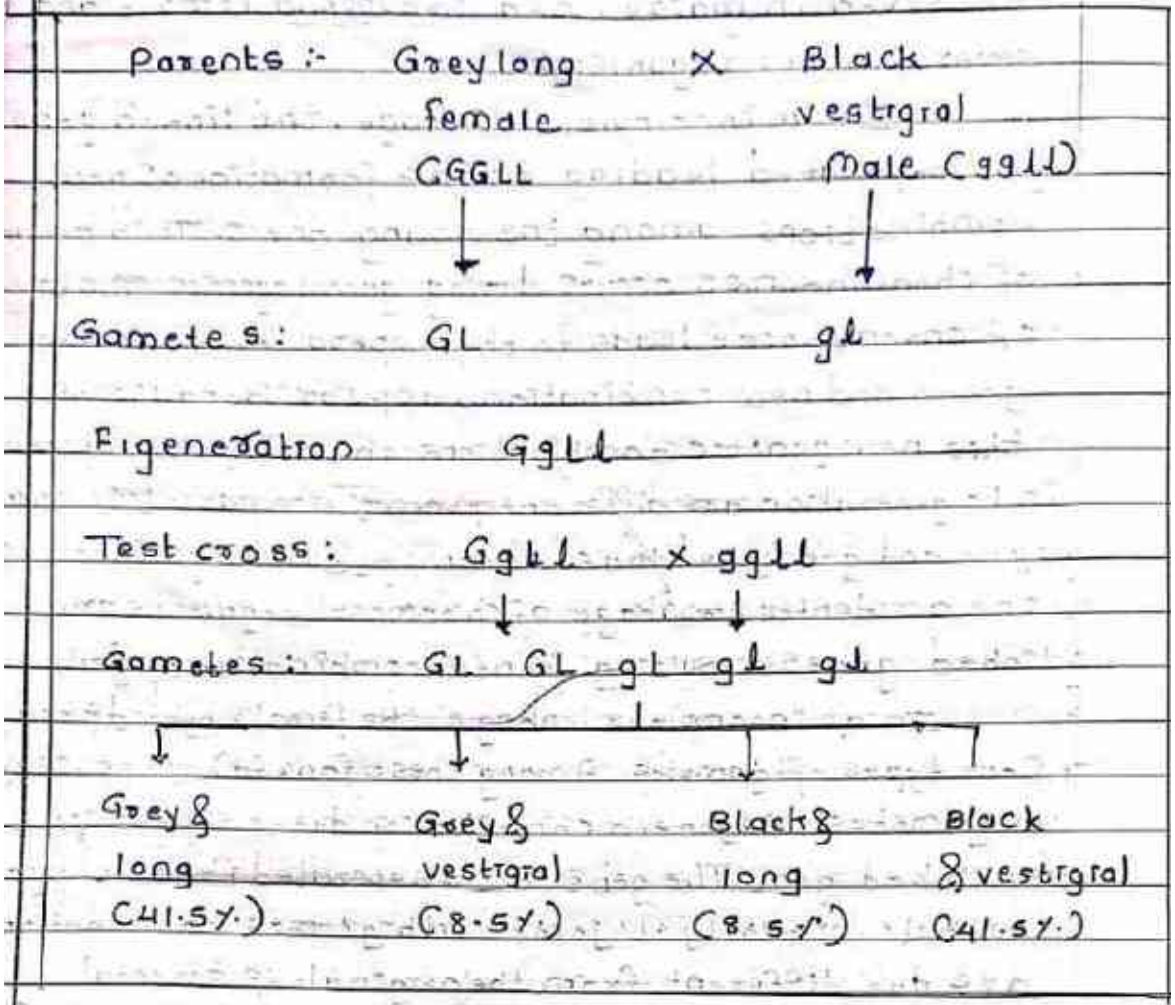


Fig :- Complete Linkage in Drosophila.

Here, we can infer that grey body and long wings are dominant characters as they are expressed in F1 generation. The grey body character is inherited together with long wings. Thus, these genes are linked together. Likewise black body character is associated with vestigial wings. Thus, the linkage seen in this example is known as complete linkage.

b] Incomplete/partial linkage -

In majority of cases, the homologous chromosomes undergo breakage and reunion during gametogenesis. Therefore, linked genes do not always stay together. Hence, when some frequency of crossing over occurs between the linked genes, it is termed as Incomplete/partial linkage.

The phenomenon of incomplete linkage h
observed in maize, pea Drosophila female
several other organisms.

In an incomplete linkage, the linked g
get seperated leading to the formation of ne
combinations among the young one's. This h
of chromosomes occurs during gametogenesis. The
of chromosome leads to the seperation of linke
genes and new combinations appear Because of
this new genetic combinations the offsprings pro
in F2 generation are different from their parent in ph
type and genotype. Thus, incomplete linkage involv
the accidental breakage of chromosal segments are
linked genes resulting in new combination of genes

In an incomplete linkage, the female hybrid pro
four types of gametes. Among these four (4) types, 2
of gametes carry new combination due to seperation
of linked gene. The gene 'A' is seperated from 'L' & j
with 'l'. similarly 'L' joins with 'g'. This combinatio
are due different from the orginal of parental
combinations. This type of inheritance is different
from independent assortment. If the genes are asso
indepent assortment. If the genes are assorted
independently, 8 types of offsprings are produced
in F2 generation should be in 1:1:1:1 ratio.

Significance of linkage:-

The phenomenon of linkage is of great srgnificanc
for living organism. It reduces the possibilty of variatio
in gametes unless crossing over occurs. If the numbe
of characters in a linkage group is more then the
Chromosome will belong and vice versa.

Linkage does not permit the breeders to bring
the desirable characters in one variety for this reason
plant and animal breeders find it difficult to combine
various characters.

linkage reduces the chance of recombination of genes and thus helps to hold parental characters together. It helps organism to maintain its parental, racial and other characters.

10

Q.2] Attempt any two

1] Sacred groves-

Ans→ Sacred groves can be defined as undisturbed patches of vegetation on the outskirts of villages and towns or in the plants are part of forested areas that are dedicated to local folk deities or anustral spirits.

Sacred groves are tracts of virgin forests with rich diversity, which have been protected by the local people for centuries for their cultural and religious beliefs and taboos that the deities reside in them and protect the villagers from different calamities.

In India total 14000 sacred groves have been recorded which includes Western ghats, central India, Northeast India etc. Particularly where the indigineous communities live. These sacred groves are known by different names given to them by the ethnic people.

Sacred groves are vary in size between 5 - 500 hectares. These act as ideal centre for biodiversity conservation. It has been observed that several medicinal plants that are not to be found in the forest are abudant in sacred groves. Further, rare, endangered, threatened and endemic species are often concentrated in sacred groves. They help in soil and water conservation.

Sacred groves are great traditional practices for the conservation protection of small patch

of forest by local people due to their cultural religious beliefs.

Sacred groves are known by different na in ethnic terms such as,

i] Devrai or Deorai in Maharashtra.
ii] Sarna or Dev in Madhya Pradesh
iii] Sarnas in Bihar
iv] Devravana in Karnataka
v] Dev van in Himachal Pradesh
vi] Sarana in Jharkhand.

The sacred groves in Maharashtra were reporte by Gadgil and Vartak in 1976, Numbering upto 233

Sacred groves are broadly classified in various categories such as,

i] Local village sacred groves:

These sacred groves are managed by the entire village.

ii] Regional sacred groves:-

These sacred groves are managed by Temple trust (eg. Sabarimala sacred grove)

iii] Pan-Indian Sacred groves:

These sacred groves are very large and are managed by a temple trust, where people from many parts of the country visit and worship the deity (eg. Garhwal Himalayas)

iv) sacred groves as the abode of anustral spirits

These are both a burial ground and location of deity and anustral worship.

Features of chromosome theory of linkage

The tendency of genes to remain together in their original combination during inheritance is called linkage. This phenomenon of linkage was firstly reported by Bateson and Punnett in the year 1906.

Later T.H Morgan put forth the theory of linkage and concluded that coupling and repulsion were two phases of single phenomenon i.e linkage further studies showed that two or more characters of parents are transmitted to the offsprings of few generations such as F1, F2, F3 etc without any recombination these characters were termed as linked characters.

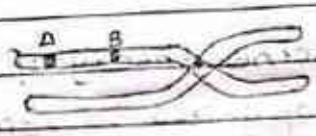
The phenomenon of linkage is a deviation from the Mendelian principle of independent assortment Mendle's law of independent assortment Mendle's law of independent assortment is applicable to the genes that are situated in seperate chromosomes. when genes for different characters are located in the same chromosome, they are tied to one another and are said to be linked.

These genes for different characters are inherited together by the offspring and will not be assorted independently. Thus, the tendency of two or more genes of the same chromosome to remain together in the process of inheritance is called linkage.

Thus, based on this and further studies, Morgan and castle formulated 'The chromosome theory of linkage'

Salient features of 'Theory of linkage'

i] Genes that show linkage are situated on the same chromosome



Here A & B are linked genes as they are situated on the same chromosome.

ii] Genes are arranged in a linear fashion in the chromosome i.e linkage of genes is linear.

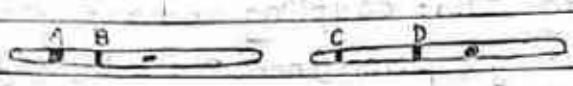
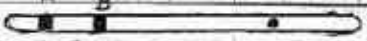


Fig linear arrangement of genes

iii] The distance between the linked genes is inversely proportional to the strength of linkage. The genes which are closely located show strong linkage, where as those which are widely separated have more chance to get separated by crossing over i.e they have weak linkage.

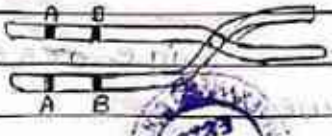


c) Fig :- Strong linkage

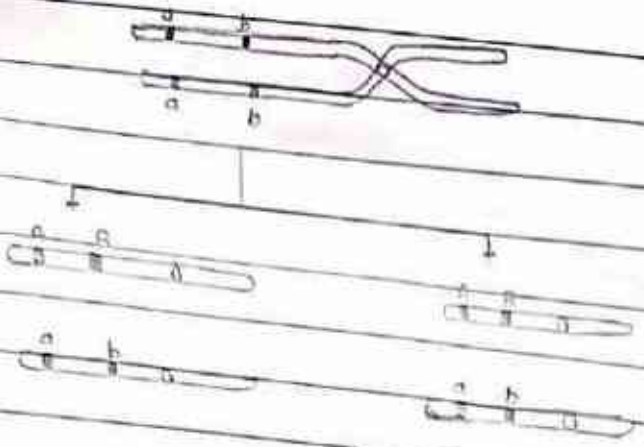
Fig(2) :- weak linkage

In the above figure (1), the genes are located close to each other and hence have strong linkage i.e genes A & B. while in fig (2), the genes C & D are located at greater distance have

iv] Linked genes remain in their original combination during course of inheritance.



Royal



In the above diagram it is evident that the genes A & B and a & b which are linked inherited together.

v] The linked genes show two types of arrangement on the chromosome. If the dominant alleles of two or more pairs of linked genes are present on one chromosome and their recessive alleles on the other homologus (AB/ab), this arrangment is known as cis-arrangement. However, if the dominant allele of one pair and recessive of second pair are present on the one chromosome & recessive and dominant alleles on the other chromosome of a homologous pair (Ab/aB), this arrangement is called trans arrangement.

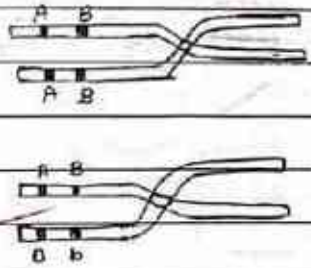


Fig CIS configuration

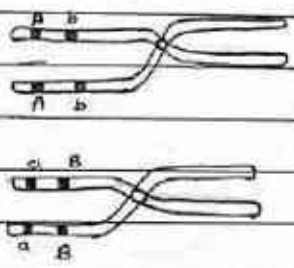


Fig TRANS configuration

20/20 (Sufi) 14/3/2024.

B.Sc III

HOME ASSIGNMENT-II

NAME:- SIDDHIKA JAHIDAHMAD BAGWAN

STD:- B.Sc-IIIrd SUB- BOTANY

RollNo- 8253

Q.1] Describe structure and composition of nucleic acids and explain ribosomal RNA.

Ans→ Nucleic acids are long chains of polynucleotide made up of monomers i.e nucleotides, high molecular weight. Nucleic acids are largebiomolecular as they have high molecular weight. Nucleic acids contain a strong phosphoric acid, hence the name nucleic acid. The nucleic acid are tightly packed into chromosomes and have a strong association. Thus, nucleic acids being the key aspect for life, without which life is impossible, hence they are even called as key of life.

Nucleic acids are present in the nucleus of the cell and play a vital role in the transmission of characters from one generation to the upcoming generation. The nucleic acids are responsible for storage and translation of genetic information for protein synthesis.

Nucleic acids are huge organic molecules that contain carbon, hydrogen, oxygen, nitrogen and phosphorus. Two different types of nucleic acids exist in living organisms, viz deoxyribonucleic acid (DNA) and ribonucleic acid (RNA).

A DNA molecule is an unbranched long chain polymer formed of several thousand pairs of monomeric units called nucleotides, which is same in RNA too. Both DNA and RNA contain nitrogenous base and a phosphate group. In DNA the pentose sugar is deoxyribose while in RNA it is ribose, hence the deoxyribonucleic acid and ribonucleic acid and ribonucleic acid ribonucleicacid.

Royal

TIL . 22, 8

GoodLuck | Page No. | Date

DNA (Deoxyribose Nucleic Acid), structure and chemical composition:-

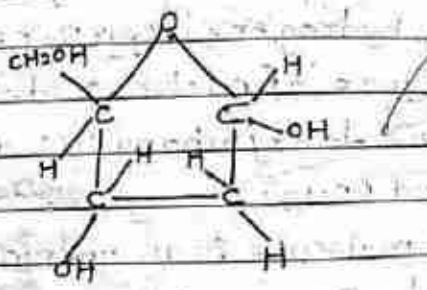
DNA is genetic material in most of the organisms except few viruses. It is present in the nucleus & even present in chloroplast and mitochondria. In eukaryotes (higher organisms), the chromosomal DNA is linear i.e double helix. In chloroplast, mitochondria and prokaryotes it is closed or circular DNA is the macromolecule made up of linear sequence of nucleotides. Hence it is called polynucleotide.

DNA is made up of three components

1] pentose sugar
2] phosphate group
3] Nitrogenous bases.

1] Pentose sugar:-

The sugar present in DNA is deoxyribose sugar. It is a pentose sugar having a pentagonal ring structure. A pentose sugar is different from ribose sugar in having one oxygen atom less at position second and hence the name deoxyribose sugar.



($C_5H_{10}O_4$)

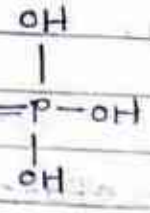
It has five membered ring formed by four atoms of carbon & one oxygen atom. The fifth carbon is outside the ring.

2. Phosphate group:-

It is in the form of a molecule of phosphoric acid (H_3PO_4) which is connected to fifth carbon of

Royal

sugar molecule and third carbon atom of neighbouring sugar molecule.

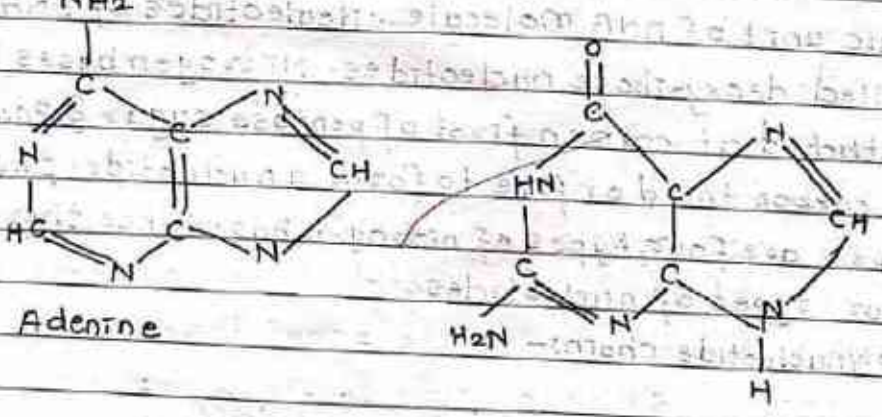


H_3PO_4 is a weak acid with phosphorous at the centre and attached to one oxygen and three hydroxyl groups when a phosphate molecule (nukworth nucleoside it forms a nucleotide. DNA is negatively charged because of the presence of phosphate group (PO_4^-)

3.] Nitrogen bases:-

Nitrogenous bases are nitrogen containing organic rings compounds. They are heterocyclic and are of two types

a] purines -

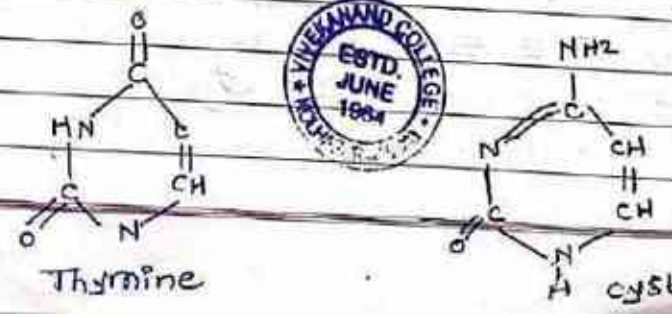


Adenine

Guanine

They are double ring structure. The ring structure with nitrogen at 1, 3, 7 & 9 positions. Adenine (A) and Guanine (G) are two purine bases.

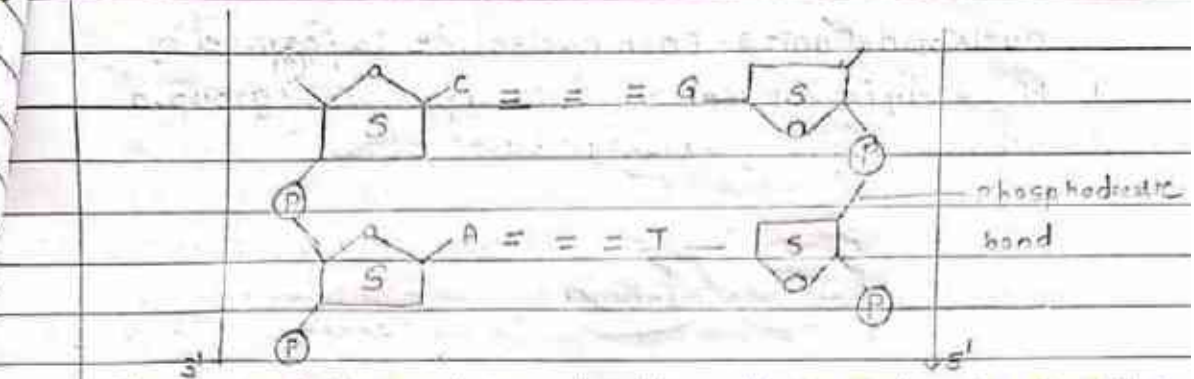
b] pyrimidines -



Thymine

cytosine

GoodLuck | Page No.
Date



The nucleotides act as a building block molecule for the synthesis of polynucleotide. In DNA molecule several nucleotides are linked in linear order to form a polynucleotide chain. The nucleotides are joined with each other by diester phosphate bond. This bond is formed between phosphate molecule and carbon 3 of successive nucleotide.

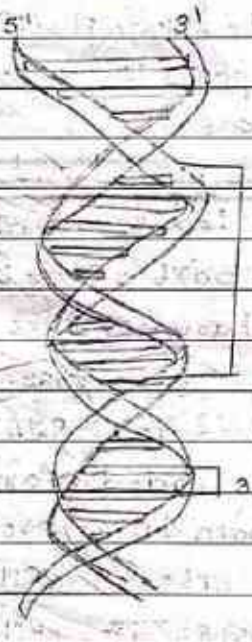


Fig 8 - DNA - Double Helix

Ribosomal RNA (rRNA) (stable rRNA)

The rRNA term was first proposed by Kurland in 1960. Ribosomal RNA is a ribonucleic acid present in the ribosomes and hence is called ribosomal RNA. It contributes about 80% of the cellular RNA. The ribosomal RNA is formed of a single strand. It is a polynucleotide chain. The strand is formed by many

shoot with terminal bud. For quick establishment the cut ends are dipped auxin solution, followed by dipping in fungicide solution to prevent the infection. Then the treated cutting are planted quickly in the rooted bed. When the cutting exhibit successful rootings they are kept outside the chamber for few days to become hard and then transplanted to pots or nursery beds with rich in organic nutrients.

Depending on the nature of the stem used, the cutting can be classified as Herbaceous, soft used wood, Greenwood, Semi-hardwood, Hardwood. eg- Dahlia, Magnolia, Nerium, citrus, Croton Acalypha.

OR

2] Messenger RNA -

There term mRNA was first coined by Jacob and Monod (1961). The cell contains about 2 to 5% of mRNA out of total RNA out Messenger RNA is a ribonucleic acid which contains or carries genetic information for protein synthesis from DNA to the cytoplasm.

The genetic message from DNA is trascribed to this mRNA, where it carries the message in the form of triplet codes. The mRNA present inside the nucleus is called as heterogenous nuclear RNA (hnRNA).

In cytoplasm mRNA are deposited on the ribosomes. In the ribosomes, mRNA acts as template for protein synthesis, that is why it also called as template RNA.

The life span of mRNA is bacteria is about two minutes. In eukaryots, it lives for few hours to few days. In the normal egg and plant seeds, the mRNA is stabalized for months to years. Protein synthesis much be carried out within this life span.

Based on the number of genes from which a mRNA is formed and on the size of protein molecule synthesized there are two types of mRNA -

1] Monocistronic mRNA -

A cistron is a DNA segment corresponding to one

eukaryotic mRNA and even in animal viruses the cap is formed by condensation of a guanylate residue. The cap helps the mRNA to bind with ribosomes & also protects the mRNA from exonuclease.

The cap is followed by non-coding region (NC1) also called untranslated region (UTR). It does not contain code (message) for protein. It is formed of 10 to 100 nucleotides and is rich in A and U residues. UTR (untranslated region) has three functions viz mRNA stability, mRNA localization and translational efficiency.

Non region is followed by initiation codon. It is made up of AUG. The initiation codon is followed by the coding region which contains the codes for protein. It has an average of 1500 nucleotides. The coding region is followed by termination codon. It completes the translation and made up of UAA or UAG or UGA is in eukaryotes.

The termination codon is followed by a non-coding region II (NC2). It has a sequence (poly A). It consists of 200 to 250 adenylate nucleotides (AAA....), but as the age increases the poly A shortens. Messenger RNA is synthesized from a DNA strand through the action of enzyme called RNA polymerase. The synthesis of mRNA is called transcription.

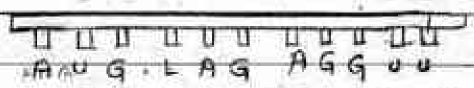


Fig - Triplet codes of mRNA

Messenger RNA carries genetic information from DNA. The genetic information carried by the mRNA is called genetic code. The genetic code is formed of several codons. Each codon is formed of three bases, it is called a triplet codon.

Each mRNA contains the codons for one polypeptide chain. If the contains 900 nucleotides, the polypeptide chain synthesized by this mRNA will contain 300 amino acids.

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

Department of Botany

Internal Exam

2020-2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Internal Exam B. Sc I"

Organized by

Department of Botany

On

18th February 2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Internal Exam B. Sc. I

18th February, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE * ESTD. JUNE 1964 * KOLHAPUR 416 003

Botany B.Sc. I Sem I Online Exam

Total Marks : 20
Time : 03:00 pm to 04:00

Date 18 Feb 2021
pm

All Questions are compulsory
Each question carry one mark.

* Required

1. Email address *

2. Name of the Student *

3. 1. Spores of Pteridophytes are ..... 1 point

Mark only one oval.

- ◯ Haploid
- ◯ Diploid
- ◯ Triploid
- ◯ Tetraploid

4. 2. The sorous of Pteris is ..... 1 point

Mark only one oval.

- ◯ Simple type
- ◯ Mixed type
- ◯ Gradate type
- ◯ One type

17. ..... are absent in Bryophytes. 1 point

Mark only one oval.

- True roots
- Rhizoids
- Thallus
- Scales

18. Following is not the type of vegetative reproduction. 1 point

Mark only one oval.

- By fragmentation
- By tubers
- By persistent apices
- By archegoinum and antheridium

19. In Bryophytes haploid gametophytes alternates with ..... sporophyte. 1 point

Mark only one oval.

- Diploid
- Haplodiploid
- Tetraploid
- Diplohaploid

20. The phenomenon of alternation of generation is found in ..... plants. 1 point

Mark only one oval.

- Chlorella
- Riccia
- Mango
- Volvox

B.Sc I

Botany 48
B.Sc I

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019
Course : B.SC. SEM 1
Max Marks : 10

Subject : BOTANY
Subject Code : DSC-1007A
Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
1	AVADHUT PRADNYA SUNIL	7169	Un Locked	20
2	AWALE DAYASAGAR RAJENDRA	7170	Un Locked	Ab
3	BAGWAN UMRAJIYA SHAKIL	7173	Un Locked	18
4	BHUSNAR SHANIRAJ DATTATRAY	7175	Un Locked	19
5	CHALUCHE PRATAP ARJUN	7177	Un Locked	20
6	CHALUCHE SWAPNIL ARJUN	7178	Un Locked	19
7	CHOUGALE SHIVANI VILAS	7179	Un Locked	17
8	CHOUGALE SUVARNA SHIVAJI	7180	Un Locked	18
9	CHOUGULE SAPANA ANIL	7181	Un Locked	19
10	DARVAN KUNAL KUMAR	7182	Un Locked	20
11	DESAI SHRAWANI SUDHAKAR	7183	Un Locked	19
12	DESHMUKH HARSHWARDHAN DILIPRAO	7184	Un Locked	20
13	DOKE SIDDHESHWAR SHIVAJI	7185	Un Locked	20
14	DSOUZA PRIYA MOTES	7186	Un Locked	19
15	FAKIR JUVERIYA DASTGIR	7187	Un Locked	20
16	FALLE NILAM RAMCHANDRA	7188	Un Locked	20
17	GHODKE GANESH NANDAKISHOR	7190	Un Locked	20
18	GURAV AMRUTA KRISHNAT	7193	Un Locked	18
19	JADHAV AARATI SUNIL	7195	Un Locked	18
20	JADHAV ANKITA RAGHUNATH	7196	Un Locked	18
21	JADHAV MONALI SANTOSH	7197	Un Locked	16
22	JADHAV PRANOTI PRAKASH	7198	Un Locked	19
23	JADHAV SHILA THAVARU	7199	Un Locked	20
24	JAGTAP SHITAL BHARAT	7200	Un Locked	19
25	KALKUTAKI VISHAL BABASAHEB	7203	Un Locked	20
26	KAMBLE AMRUTA SURESH	7204	Un Locked	18
27	KAMBLE ANJALI SANJAY	7205	Un Locked	18
28	KAMBLE SHIRISH SANJAY	7208	Un Locked	20
29	KAMBLE SHRIDHAR BALU	7209	Un Locked	20
30	KAMBLE SWAPNAGANDHA DILIP	7210	Un Locked	18
31	KAMBLE VISHAL NATHA	7211	Un Locked	20
32	KARALE PRIYANKA BHARAT	7212	Un Locked	18
33	KAWTHEKAR SAFIA MOHAMMAD RAFIQ	7213	Un Locked	18
34	KHANDEKAR RUTUJA NARAYAN	7214	Un Locked	18
35	KHARAT AKANKSHA RAJENDRA	7216	Un Locked	18
36	KHOT SWAPNIL SANJAY	7217	Un Locked	20
37	KOKATE PRATIK PRALHAD	7218	Un Locked	20
38	KUMAR PRAVEEN RANARAM	7220	Un Locked	20

Dr. Jyoti M. Gosavi
Prof. S.S. Wadkar

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Samstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019

Course : B.SC. SEM 1

Max Marks : 10

Subject : BOTANY

Subject Code : DSC-1007A

Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
77	MARULKAR GEETANJALI SUGANDH	7339	Un Locked	19
78	NIGADE SAMRUDDHI SUBHASH	7341	Un Locked	19
79	PANDAV VINITA PRAKASH	7342	Un Locked	20
80	PARANDE PARHINA YASIN	7343	Un Locked	20
81	PATEL PRIYA SHANTILAL	7344	Un Locked	20
82	PATIL GAURI DEVBA	7345	Un Locked	18
83	PATIL RUTWIK SUBHSH	7347	Un Locked	20
84	PATIL SHRUTIKA SATISH	7348	Un Locked	18
85	SARDAR SAKSHI SACHIN	7350	Un Locked	18
86	SHAIKH NIMRAH SHAKIL	7351	Un Locked	18
87	SHINDE CHAITRALI VIDYADHAR	7352	Un Locked	18
88	SHINDE OMKAR DILIP	7353	Un Locked	20
89	THAKARE PRATIKSHA BAJARANG	7354	Un Locked	20
90	BALUGADE SIDDHI ANANDA	7357	Un Locked	20
91	BANAGE ANAGHA AVINASH	7358	Un Locked	19
92	BARAPATRE YASH SANDESH	7359	Un Locked	19
93	DATAR PRANAV SHRIRAM	7360	Un Locked	20
94	DAVANG SHRADDHA ADINATH	7361	Un Locked	20
95	DIXIT SUJATA RAMASHISH	7362	Un Locked	20
96	GHADAGE VAISHNAVI VINAYAK	7363	Un Locked	20
97	GHADGE VAISHNAV DHARMARAJ	7364	Un Locked	20
98	KADAM PRACHI RAJKUMAR	7366	Un Locked	19
99	KATALE MAYUR MANOHAR	7367	Un Locked	20
100	KESARWANI ROMA BARAMDIN	7368	Un Locked	19
101	KHOT ASHWINI SHIVAJI	7369	Un Locked	20
102	KULKARNI DIVYA ASHOK	7370	Un Locked	19
103	MAHADIK RUCHITA PRASHANT	7372	Un Locked	20
104	MANUVEL ROHAN RAJSHEKHAR	7374	Un Locked	20
105	MOULAVI SHAGUFTA RIZWAN AHMAD	7375	Un Locked	18
106	MULLANI SANA CHAND	7376	Un Locked	20
107	PATIL SHAMITA SHITAL	7378	Un Locked	18
108	PATIL VAISHNAVI SURESH	7379	Un Locked	19
109	POWAR PHULABAI PRAKASH	7380	Un Locked	20
110	RANAMALE POOJA BANDOPANT	7382	Un Locked	20
111	SAWANT SANIYA RAJVARDHAN	7386	Un Locked	18
112	JADHAV VINAYA MOHAN	7389	Un Locked	19
113	YADAV ABHILASHA AVINASH	7393	Un Locked	18
114	WADIKAR HARSHADA PRADEEEP	7398	Un Locked	19

Dr. J.M. Gosule

Prof. S.S. Wadkar

Name & Signature of Internal Examiner

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019 | Subject : BOTANY

Course : B.SC. SEM 2 | Subject Code : DSC-1007B

Max Marks (10) 20 | Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
1	KADAM MORESHWAR RAMCHANDRA	7529	Un Locked	

143.	BAGADE KARINA SURAJ	7356		20
144.	MANE SNEHAL DIPAK	7373		20
145.	PANGE PRATIKSHA PRABHAKAR	7377		19
146.	SAKHALKAR VEDA SUNIL	7384		19
147.	SALVANKAR SIDDHI DHANANJAY	7385		20
148.	SHAIKH SANIYA SHAKIL	7387		18
149.		7388		20

7253 —— ?

Dr. J. M. Gosule

Prof. S. S. Wadkar

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

ASSESSMENT SHEET-MARCH-APRIL 2021

PROGRAMME :BSc SEM-I

EXAMINATION :SEE

SUBJECT :BOTANY

SUBJECT CODE : DSC-1007A

SR NO	STUDENT'S NAME	Roll No	Exam Seat No	SEM-1 CIE (20)	Remark
1	PATIL DAKSHATA ANIL	7137	7137	14	
2	PATIL DIVYA UMESHCHANDRA	7138	7138	14	
3	RAJPUT SHWETA NINTINSINGH	7151	7151	11	
4	GHARAGE ASHUTOSH KIRAN	7189		AB	
5	AGA SAYMA SAMIR	7191	7191	15	
6	ALMAN ADESH AJIT	7192	7192	14	
7	ASWALE SHRAVANI POPATRAO	7193	7193	15	
8	AVALE MANJUSHA RANGRAO	7194	7194	16	
9	BHARATI ARPITA VILAS	7196	7196	13	
10	BHISE GANESH DIPAK	7197	7197	14	
11	BHILUNGADE SWARUPA SANJAY	7198	7198	14	
12	BURUD SAKSHI SHAMRAO	7199	7199	14	
13	CHAVAN DEVENDRA SOMNATH	7200	7200	11	
14	CHIKHALKAR VEDIKA VAIBHAV	7204	7204	12	
15	CHOUGALE PRATIKSHA NAMDEV	7205	7205	13	
16	DANGARE MANASI VIJAY	7207	7207	AB	
17	DAREKAR VISHAKHA VISHWANATH	7208	7208	13	
18	DESAI QIASWITA RANJIT	7209	7209	16	
19	GADKARI RIFA FARUKH	7212	7212	AB	
20	BARGIR UJMA IMTIYAJ	7213	7213	13	
21	GARDE JANHAVI ALHAD	7214	7214	15	
22	GUE NANDINI RAVINDRA	7215	7215	13	
23	GONDKAR RASIKA MAHESH	7216	7216	14	
24	GURAV VAISHNAVI RAJESH	7217	7217	16	
25	JADHAV HRSHADA JAYSING	7219	7219	15	
26	JADHAV ASHUTOSH SHARAD	7221	7221	17	
27	JADHAV ANURAG BHARAT	7222	7222	16	
28	JADHAV SANGRAM PANDURANG	7223	7223	12	
29	KAMBLE PRACHI VIJAY	7226	7226	12	
30	KAMBLE PRADNYA SHANKAR	7227	7227	15	
31	KAMBLE RASHMI RAJENDRA	7228	7228	15	

SUBJECT :BOTANY SUBJECT CODE : DSC-1007A

SR NO	STUDENT'S NAME	Roll No	Exam Seat No	SEM-1 CIE (20)	Remark
126	BASARE GAYATRI PRAMOD	7408	7408	12	
127	POWAR SHITAL EKANATH	7409	7409	15	
128	POWAR SHRUTIKA SAMBHAJI	7410	7410	15	
129	KILLEDAR MANASI SHEKHAR	7411	7411	15	
130	SHIROLKAR DIPTEE BAJIRAO	7412	7412	15	
131	TAMBOLI SAYMA RASHID	7413	7413	15	
132	THAMKE SAKSHI VIKRAM	7414	7414	15	
133	TADWALE AAROHI ANIL	7416	7416	AB	
134	ZUNAKE SUYASH DNYANDEV	7417	7417	11	
135	ZURE PRAJWAL MAHESH	7418	7418	12	
136	ADSUL VAISHNAVI KRUSHNAT	7432	7432	16	
137	AGALAVE PRATHMESH SURESH	7433	7433	AB	
138	ALAVEKAR SOUNDARYA RAVINDRA	7434	7434	12	
139	BODAKE SHITAL BALU	7435	7435	15	
140	PUJARI SUPRIYA RAMA	7443	7443	13	
141	MUJAWAR RAFA ALTAF	7455	7455	13	
142	THORAT SHRUTI JAYSING	7456	7456	15	
143	DAVARE SARITA BALU	7457	7457	12	
144	MUJAWAR JAFAR NISAR	7458	7458	09	
145	CHAVAN RUCHITA BAJIRAO	7459	7459	15	
146	KOTHAVALE ALISHA TANAJI	7460	7460	12	
147	PATIL PRAGATI TANAJI	7461	7461	15	
148	SARDESAI AKANKSHA ANIL	7462	7462	11	
149	CHOUGULE YASH VIJAY	7463	7463	10	
150	Patil Satyajit Sanjay	7464	7464	14	
151	Shinde Shivprasad Ramdas	7379	7379	10	
152	Desai Harshvardhan Dhanaji	7389	7389	13	

[Dr. J.M. Gaikwad] (Dr. Alvikar A.R.)

Name & Signature of Internal Examiner

Name & Signature of Head of Department

Head
Department of Botany
Vivekanand College
Kolhapur
8/10/2024

PAGE NO : 5

VIVEKANAND COLLEGE KOLHAPUR (AUTO.) ESTD. JUNE 1964

B.Sc. I (Botany) Internal Exam (Sem. II)

40

Timestamp	Email Address	Score	Name of the student
7/14/2021 14:29:04	annapumaalvikar59@gm	10 / 10	Annapurna
7/14/2021 16:39:22	jyotigorule5@gmail.com	5 / 10	Dr. Jyoti Gorule
7/15/2021 15:01:27	ojaswitadesai@gmail.com	10 / 10	Ojaswita Ranjit Desai
7/15/2021 15:02:38	kamblesanjivani99@gmai	9 / 10	Sanjivani Nilkanth Kamble
7/15/2021 15:02:41	aarohitadwale2901@gma	9 / 10	Aarohi Anil Tadwale
7/15/2021 15:05:24	mullatahesin7@gmail.com	8 / 10	Tahesin Altaf Mulla
7/15/2021 15:05:49	madhuridarvan@gmail.co	9 / 10	Madhuri kumar darvan
7/15/2021 15:05:57	simantinipatil024@gmail.c	10 / 10	Simantini Patil
7/15/2021 15:06:28	rupchandghorpade0911@	10 / 10	Rupchand Deepak Ghorp
7/15/2021 15:06:38	renudhisal@gmail.com	10 / 10	Dhisal Renu Bharat
7/15/2021 15:07:19	thorat0112@gmail.com	8 / 10	Shruti Jaysing Thorat
7/15/2021 15:07:47	desai123shrenik@gmail.c	10 / 10	Desai shrenik uday
7/15/2021 15:08:23	salonamulla0099@gmail.	9 / 10	Sahira Yunus mulla
7/15/2021 15:08:52	prajwalzure6903@gmail.c	7 / 10	Prajwal mahesh zure
7/15/2021 15:09:07	rohitkoli2413@gmail.com	9 / 10	Rohit Sanjay koli
7/15/2021 15:09:25	jafarmujawar2211@gmail	9 / 10	Jafar Mujawar
7/15/2021 15:10:15	shuzefa647@gmail.com	9 / 10	huzefa ajijahmad shaikh
7/15/2021 15:10:44	prachimaskar30@gmail.c	8 / 10	Maskar Prachi Prashant
7/15/2021 15:11:29	mayuripatil6464@gmail.c	10 / 10	Mrunali Alias Mayuri Vitth
7/15/2021 15:11:38	siddhichougale8114@gm	9 / 10	Siddhi Yashwant Chougal
7/15/2021 15:11:58	adeshalman2907@gmail.	9 / 10	Adesh Ajit Alman
7/15/2021 15:12:10	jsangram9565@gmail.cor	9 / 10	Sangram pandurang jadh
7/15/2021 15:12:17	tamaichikamilam15@gma	9 / 10	Nilam Narendra Tamaichil
7/15/2021 15:12:30	alishakothavale@gamil.cc	9 / 10	alisha tanaji kothavale
7/15/2021 15:12:56	st912162@gmail.com	10 / 10	Tushar Shinde
7/15/2021 15:12:58	padwalkishori30@gmail.c	9 / 10	Kishori Narayan Padwal
7/15/2021 15:13:15	janhavigarde11@gmail.cc	9 / 10	Janhavi Garde
7/15/2021 15:13:20	anuragjadhav883@gmail.	9 / 10	Anurag Bharat Jadhav
7/15/2021 15:13:58	vaishnaviadsul1411@gma	9 / 10	Vaishnavi Krushnat Adsul
7/15/2021 15:14:57	patilvaishnavi555@gmail.	9 / 10	Vaishnavi Deepak patil
7/15/2021 15:15:01	swarupabhiungade@gma	10 / 10	Swarupa Sanjay Bhiunga
7/15/2021 15:15:12	meghdutdabholkar288@g	10 / 10	MEGHDUT VISHNU DAB
7/15/2021 15:15:18	stutibar02@gmail.com	10 / 10	Stuti Kaitan Bardeskar
7/15/2021 15:15:22	pratikshachougale9@gma	8 / 10	Chougale pratiksha namd
7/15/2021 15:15:31	manasighosalkar004@gm	8 / 10	Ghosalkar Manasi Suresh
7/15/2021 15:15:40	yuktarathod1212@gmail.c	9 / 10	RATHOD YUKTA NARSIH
7/15/2021 15:15:41	manjushaawale2002@gm	9 / 10	Manjusha rangrao awale
7/15/2021 15:15:49	saymatamboli123@gmail	10 / 10	Sayma Rashid Tamboli
7/15/2021 15:16:04	patilmadhura51@gmail.cc	9 / 10	Madhura Buddhiraj Patil
7/15/2021 15:16:08	mrinalpise78@gmail.com	9 / 10	Pise Mrinal Umesh
7/15/2021 15:16:16	prachikamblepk94@gmai	8 / 10	Prachi yuvraj kamble
7/15/2021 15:16:23	shubhamrathod6995@gm	9 / 10	Rathod shubham jayram
7/15/2021 15:16:34	divyapatil1511@gmail.cor	9 / 10	Patil Divya Umeshchandr
7/15/2021 15:16:53	ashutoshjadhav95@gmail	10 / 10	Ashutosh Sharad Jadhav
7/15/2021 15:16:58	pavanashwari1806@gma	10 / 10	Pavanashwari Mallappa K

VIVEKANAND COLLEGE ESTD JUNE 1964 KOLHAPUR

55

Timestamp	Email Address	Score	Name of the student
7/15/2021 15:17:01	yashchougule1234@gma	8 / 10	yash
7/15/2021 15:17:02	darshankumarkhotdk999(	8 / 10	Darshankumar Sarjerao K
7/15/2021 15:17:07	suyashzunake05@gmail.(	9 / 10	Suyash Dnyandev Zunak
7/15/2021 15:17:12	gayatribasare06@gmail.c	9 / 10	Gayatri Pramod Basare
7/15/2021 15:17:24	sakshivathare@gmail.con	9 / 10	Soundarya Sanjay Vathar
7/15/2021 15:17:26	chetanbhogaonkar7@gm	10 / 10	Chetan Prakash Bhogaon
7/15/2021 15:17:27	shivanipatil7517@gmail.c	9 / 10	Shivani Rangrao Patil
7/15/2021 15:17:27	ganeshbhise139@gmail.(	10 / 10	Ganesh Dipak Bhise
7/15/2021 15:17:29	sheetalbodake123@gmai	9 / 10	Shital Balu Bodake
7/15/2021 15:17:34	sakshithamke2003@gma	9 / 10	Sakshi Vikram Thamke
7/15/2021 15:17:34	sm6464551@gmail.com	9 / 10	Supriya Sanjay More
7/15/2021 15:18:02	manasikilledar212@gmail	10 / 10	Killedar manasi shekhar
7/15/2021 15:18:05	parthdeepakpatil@gmail.(	9 / 10	Parth Deepak Patil
7/15/2021 15:18:11	sahilchougule85@gmail.c	10 / 10	Sahil firoj chougule
7/15/2021 15:18:23	koliabhishek56@gmail.co	10 / 10	Abhishek Vijayakumar kol
7/15/2021 15:18:32	rafamujawar2003@gmail.	9 / 10	Mujawar Rafa Altaf
7/15/2021 15:18:48	swarupagilbile@gmail.cor	10 / 10	Gilbile swarupa Uttam
7/15/2021 15:18:49	jambhalepayal712@gmai	9 / 10	Payal sampat jambhale
7/15/2021 15:19:05	Diptees2003@gmail.com	10 / 10	Diptee Bajirao Shirolkar
7/15/2021 15:19:07	rifagadakri2811@gmail.cc	6 / 10	Rifa Farukh Gadakri
7/15/2021 15:19:39	ashutosh.gharage22@gm	7 / 10	Ashutosh Kiran Gharage
7/15/2021 15:19:41	pmane9497@gmail.com	10 / 10	Mane Payal Ashok
7/15/2021 15:19:49	sakshichavan7676@gma	9 / 10	Chavan Sakshi suwarnsir
7/15/2021 15:20:23	suryakantpatil9673@gma	9 / 10	SANIKA SURYAKANT PA
7/15/2021 15:20:23	swapnilkhamkar672@gm	5 / 10	Swapnil Anil khamkar
7/15/2021 15:20:33	prathameshbasare7@gm	10 / 10	Prathamesh Madhukar Ba
7/15/2021 15:20:34	Dakshatap81@gmail.com	10 / 10	Dakshata anil patil
7/15/2021 15:20:38	somnathdavari8131@gm	7 / 10	Somnath Shankar Davari
7/15/2021 15:20:45	ujmabargir2020@gmail.cc	9 / 10	Ujma Bargir
7/15/2021 15:20:57	rohinidhangar2001@gma	7 / 10	Rohini Arjun Mane
7/15/2021 15:21:09	aqsamulla121@gmail.cor	9 / 10	Aqsa mulla
7/15/2021 15:21:11	chavanruchita2002@gma	10 / 10	Ruchita Bajirao Chavan
7/15/2021 15:21:27	omkarwakrushe23@gmai	9 / 10	Omkar Vitthal Wakrushe
7/15/2021 15:21:38	kamblerashmi121@gmail	9 / 10	Kamble rashmi rajendra
7/15/2021 15:21:42	ankitakhot910@gmail.cor	9 / 10	Ankita Ashok Khot
7/15/2021 15:21:48	kumawatritzz03@gmail.cc	9 / 10	Kumawat Ritu Rajesh
7/15/2021 15:21:53	shantanukashid2158@gm	10 / 10	Shantanu Sunil Kashid
7/15/2021 15:22:15	sakshiburud0325@gmail.	9 / 10	Burud Sakshi Shamrao
7/15/2021 15:22:20	pragatipatil3595@gmail.c	9 / 10	pragati tanaji patil
7/15/2021 15:22:34	vaishnavisutar305@gmail	10 / 10	Vaishnavi Rajendra Sutar
7/15/2021 15:22:38	krushnakantkumthekar53(	10 / 10	Kumthekar Krushnakant S
7/15/2021 15:23:01	vishudarekar6613@gmail	9 / 10	Darekar Vishakha Vishwa
7/15/2021 15:23:18	patil.priya2028@gmail.co	8 / 10	PRIYA PRAKASH PATIL
7/15/2021 15:23:23	vaishnavigurav323@gma	9 / 10	Vaishnavi Rajesh Gurav
7/15/2021 15:23:45	naazmujawar6@gmail.co	10 / 10	Naaz Navaj Mujawar

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

Timestamp	Email Address	Score	Name of the student
7/15/2021 15:23:48	devendrachavan3076@g	9 / 10	Devendra somnath chava
7/15/2021 15:23:59	pratibhaubale2001@gma	9 / 10	Ubale Pratibha Sardar
7/15/2021 15:24:18	siddhi9231@gmail.com	10 / 10	Siddhi Amar Sawant
7/15/2021 15:24:21	snehalr9286@gmail.cim	10 / 10	Snehal Ramchandra Patil
7/15/2021 15:24:24	vedikachikhalkar@gmail.c	9 / 10	Vedika vaibhav chikhalkar
7/15/2021 15:24:27	nishajadhav9292@gmail.	10 / 10	Jadhav nisha shashikant
7/15/2021 15:24:28	omkarpatilop946@gmail.c	9 / 10	OMKAR VIJAY PATIL
7/15/2021 15:24:50	asmitapatkar@gmail.com	9 / 10	Asmita Ananda Patkare
7/15/2021 15:25:11	nandinigije8@gmail.com	9 / 10	Nandini Ravindra Gije
7/15/2021 15:25:12	kadamsayali203@gmail.c	10 / 10	Kadam Sayali Ramchand
7/15/2021 15:25:16	amrutatanangi@gmail.cor	10 / 10	Amruta kedari Tanangi
7/15/2021 15:25:43	rasikagondkar9@gmail.cc	10 / 10	RASIKA MAHESH GOND
7/15/2021 15:25:59	saymaaga3@gmail.com	10 / 10	Aga Sayma Samir
7/15/2021 15:26:07	shravaniaswale0@gmail.c	9 / 10	Shravani Popatrao Aswal
7/15/2021 15:26:16	tanjilamokashi01@gmail.c	10 / 10	Tanjila Bashir Mokashi
7/15/2021 15:26:17	sachinpatil9177@gmail.cc	7 / 10	Sachin Uttam Patil
7/15/2021 15:26:17	priyankakoli8902@gmail.c	9 / 10	Koli Priyanka Sunil
7/15/2021 15:26:27	sshweta14122000@gmai	10 / 10	SHWETA RAVIRANJAN S
7/15/2021 15:26:37	aniketmetkar881@gmail.c	10 / 10	Aniket Ananda Metkar
7/15/2021 15:26:37	sakshiptl5464@gmail.con	10 / 10	Sakshi Jaykumar Patil
7/15/2021 15:27:15	chougalepriya2002@gma	9 / 10	Priyanka Sanjay Chougal
7/15/2021 15:27:16	digu1440@gmail.com	10 / 10	Digambar gunda kamble
7/15/2021 15:27:20	adityasonavane2002@gn	10 / 10	Aditya Sonavane
7/15/2021 15:27:38	nehalambe2002@gmail.c	9 / 10	Lambe neha krishnat
7/15/2021 15:27:55	sakshimirajkar20@gmail.c	10 / 10	Sakshi sandeep Mirajkar
7/15/2021 15:28:23	rutupatil0729@gmail.com	8 / 10	Rutuja Rangarao Patil
7/15/2021 15:28:23	nitinrajput2477@gmail.co	9 / 10	Shweta Rajput
7/15/2021 15:28:35	pradnyakamble1680@gn	10 / 10	Kamble pradnya shankar
7/15/2021 15:28:37	kk1425790@gmail.com	10 / 10	Karan ananda kamble
7/15/2021 15:28:37	sk3287841@gmail.com	10 / 10	Kamble sandhya bhagava
7/15/2021 15:28:49	sanikalatke17@gmail.con	8 / 10	Sanika dattatray latke
7/15/2021 15:28:52	rutu17ja03@gmail.com	10 / 10	Patil Rutuja Chandrakant
7/15/2021 15:28:52	NIVEDITAMAGDUM02@	9 / 10	Magdum Nivedita Rajkum
7/15/2021 15:29:15	rutufriends1014@gmail.c	10 / 10	Rutuja Baburao Patil
7/15/2021 15:29:21	aditikshirsagar991@gmai	10 / 10	Aditi Vijay kshirsagar
7/15/2021 15:31:22	odangat4@gmail.com	10 / 10	OMKAR GAJANAN DANG
7/15/2021 15:32:12	akankshasardesai99@gn	10 / 10	Akanksha Anil Sardesai
7/15/2021 15:32:52	rutujak983@gemil.com	9 / 10	Rutuja Netaji Kamble
7/15/2021 15:35:00	prathmeshagalave53@gn	10 / 10	Prathmesh Suresh agalav
7/15/2021 15:35:32	saritadawre@gmail.com	8 / 10	Sarita Balu Davare
7/15/2021 15:35:50	alavekarsangita91@gmai	10 / 10	Soundarya alavekar
7/15/2021 15:36:02	swapnil7618@gmail.com	8 / 10	Pragati Sakharam Shinde
7/15/2021 15:36:06	saurabhpatil5195@gmail.	9 / 10	Patil Saurabh Krushnat
7/15/2021 15:36:38	dangaremanasi07@gamil	9 / 10	Manasi Vijay dangare
7/15/2021 15:37:01	dipalisuryawanshi720@g	10 / 10	Dipali karbhari suryawans

Timestamp	Email Address	Score	Name of the student
7/15/2021 15:37:10	shitalpowar2018@gmail.c	10 / 10	Shital Ekanath Powar
7/15/2021 15:40:20	shraddhadhavale@gmail.	10 / 10	Shraddha Vinod Dhavale
7/15/2021 15:40:25	vaishnavibaganikar.24@g	9 / 10	Vaishnvi Baganikar
7/15/2021 15:41:13	madhavishingare817@gn	9 / 10	Madhavi Dhondiram Shin
7/15/2021 15:42:04	samirachhalwadi@gmail.c	9 / 10	Samira shabbir chhalwadi
7/15/2021 15:42:37	supriyapujari9067@gmail	8 / 10	Supriya Rama pujari
7/15/2021 15:44:06	powarshrutika0214@gma	9 / 10	Shrutika sambhaji powar
7/15/2021 15:44:17	atuljangate2030@gmail.c	9 / 10	Atul Vasant Jangate
7/15/2021 15:49:38	snehalkoli127@gmail.con	7 / 10	Snehalnarasukoli
7/15/2021 15:50:59	wagavekarprerana@gmai	8 / 10	Prerana Jitendra Wagave
7/15/2021 15:59:44	darshannai1587@gmail.c	7 / 10	Darshan shivaji naik
7/15/2021 17:05:32	sultandesai0230@gmail.c	10 / 10	Tamanna Sultan Desai
7/22/2021 12:03:46	atharvakolhatkar4707@gı	10 / 10	Atharva kolhatkar

VIVEKANAND COLLEGE ESTD JUNE 1964 KOLHAPUR-416003

22:00

B.sc I Botany 2020-20...
Fy, Fy, Fy, Fy, FY, Fy Backlog Prachi...

Fy Aqsa Mulla left

Botany B.Sc. I Sem I Online ...
Total Marks : 20 Date 18 Feb 2021
Time : 03:00 pm to 04:00 pm All ...
docs.google.com

https://forms.gle
/cFQE4DXYxNK11qGSA

This is link for B.Sc I
Sem I Backlog Internal exam, for those students who missed sem I internal exam, for this link will be open on Monday, 12 July 2021 from 3.00 pm to. 4.00pm 15:41 ✓

Fy Aqsa Mulla joined using this group's invite link

July 11, 2021

You deleted this message 19:13

You
https://forms.gle
/cFQE4DXYxNK11qGSA
...

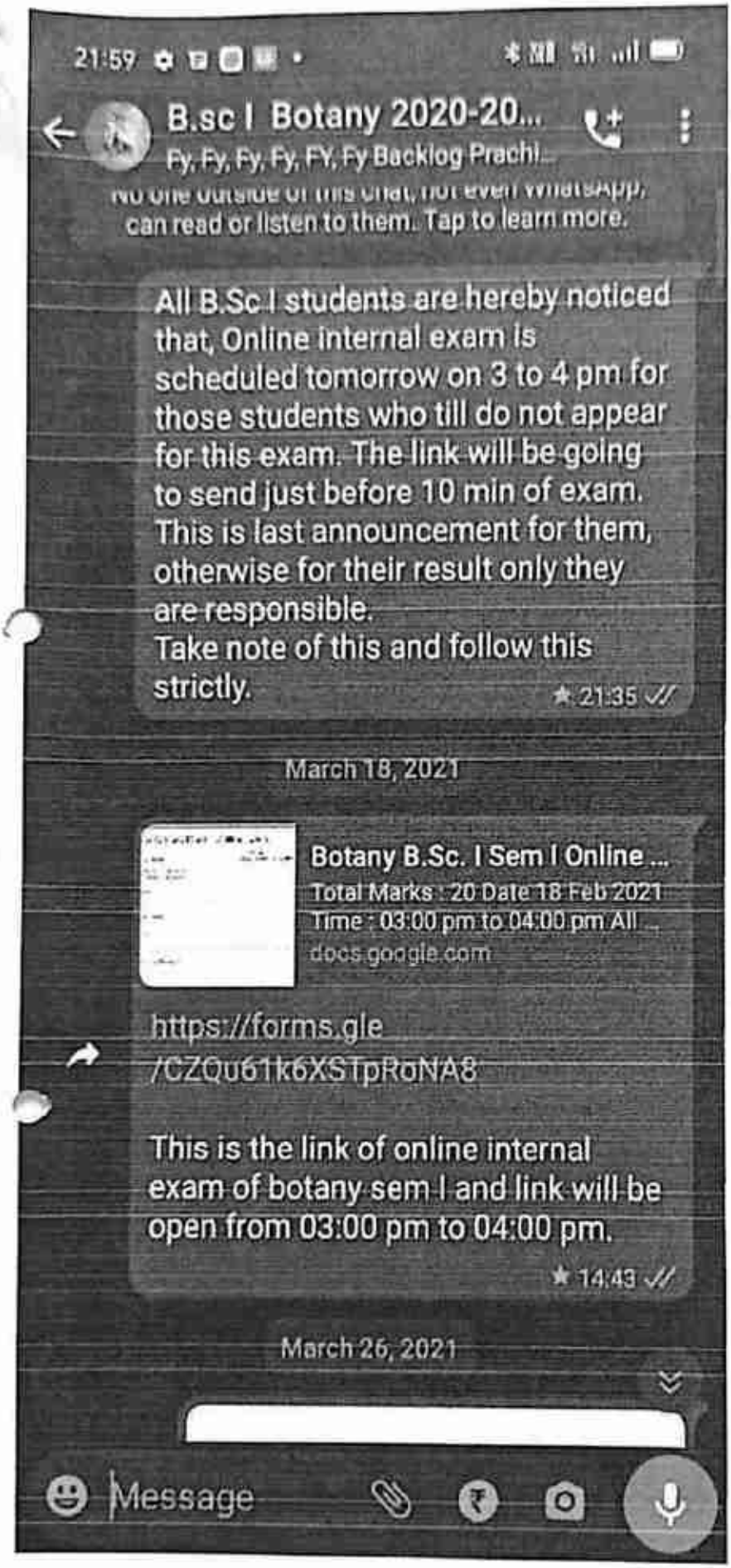
This is link for backlog students who missed first sem internal. 19:46

July 12, 2021

Message

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

76



Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : MAR-APR 2021

Course : B.SC. SEM 1

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007A

Exam Name : CIE

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
1	7137	Locked	14
2	7138	Locked	14
3	7151	Locked	11
4	7189	Locked	Absent
5	7191	Locked	15
6	7192	Locked	14
7	7193	Locked	15
8	7194	Locked	16
9	7196	Locked	13
10	7197	Locked	14
11	7198	Locked	14
12	7199	Locked	14
13	7200	Locked	11
14	7204	Locked	12
15	7205	Locked	13
16	7207	Locked	Absent
17	7208	Locked	13
18	7209	Locked	16
19	7212	Locked	Absent
20	7213	Locked	13
21	7214	Locked	15
22	7215	Locked	13
23	7216	Locked	14
24	7217	Locked	16
25	7219	Locked	13
26	7221	Locked	17
27	7222	Locked	16
28	7223	Locked	12
29	7226	Locked	12
30	7227	Locked	15
31	7228	Locked	15
32	7229	Locked	19
33	7230	Locked	Absent

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
34	7232	Locked	12
35	7233	Locked	17
36	7234	Locked	16
37	7235	Locked	15
38	7236	Locked	12
39	7239	Locked	15
40	7241	Locked	15
41	7242	Locked	15
42	7243	Locked	Absent
43	7244	Locked	11
44	7245	Locked	Absent
45	7248	Locked	11
46	7249	Locked	12
47	7250	Locked	15
48	7252	Locked	13
49	7253	Locked	15
50	7254	Locked	15
51	7255	Locked	13
52	7256	Locked	Absent
53	7257	Locked	16
54	7258	Locked	14
55	7260	Locked	13
56	7261	Locked	12
57	7262	Locked	14
58	7264	Locked	15
59	7265	Locked	13
60	7266	Locked	12
61	7268	Locked	16
62	7269	Locked	12
63	7271	Locked	Absent
64	7272	Locked	12
65	7274	Locked	12
66	7275	Locked	16

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : MAR-APR 2021

Course : B.SC. SEM 1

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007A

Exam Name : CIE

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
67	7276	Locked	14
68	7278	Locked	14
69	7279	Locked	Absent
70	7281	Locked	13
71	7282	Locked	12
72	7283	Locked	13
73	7284	Locked	14
74	7285	Locked	12
75	7286	Locked	14
76	7287	Locked	13
77	7288	Locked	14
78	7291	Locked	12
79	7292	Locked	14
80	7351	Locked	16
81	7352	Locked	13
82	7353	Locked	14
83	7354	Locked	17
84	7355	Locked	15
85	7356	Locked	15
86	7357	Locked	Absent
87	7358	Locked	16
88	7359	Locked	10
89	7360	Locked	13
90	7362	Locked	15
91	7363	Locked	17
92	7365	Locked	17
93	7366	Locked	16
94	7367	Locked	15
95	7368	Locked	16
96	7369	Locked	Absent
97	7370	Locked	13
98	7371	Locked	17
99	7372	Locked	14

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
100	7374	Locked	13
101	7375	Locked	16
102	7376	Locked	16
103	7377	Locked	16
104	7378	Locked	16
105	7380	Locked	17
106	7381	Locked	11
107	7382	Locked	Absent
108	7383	Locked	14
109	7385	Locked	14
110	7386	Locked	16
111	7387	Locked	16
112	7388	Locked	15
113	7390	Locked	15
114	7392	Locked	15
115	7393	Locked	15
116	7394	Locked	15
117	7395	Locked	13
118	7396	Locked	Absent
119	7397	Locked	15
120	7398	Locked	15
121	7399	Locked	15
122	7403	Locked	17
123	7404	Locked	15
124	7405	Locked	13
125	7406	Locked	15
126	7408	Locked	12
127	7409	Locked	15
128	7410	Locked	15
129	7411	Locked	15
130	7412	Locked	15
131	7413	Locked	15
132	7414	Locked	15

Name & Signature of Internal Examiner

Name & Signature of External Examiner

78

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : MAR-APR 2021

Course : B.SC. SEM 1

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007A

Exam Name : CIE

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
133	7416	Locked	Absent
134	7417	Locked	11
135	7418	Locked	12
136	7432	Locked	16
137	7433	Locked	Absent
138	7434	Locked	12
139	7435	Locked	15
140	7443	Locked	13
141	7455	Locked	13
142	7456	Locked	15
143	7457	Locked	12
144	7458	Locked	9
145	7459	Locked	15
146	7460	Locked	12
147	7461	Locked	15
148	7462	Locked	11
149	7463	Locked	10

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
150	7379		10
151	7389		13
~~152~~	~~7459~~		~~15~~
153	7464		14

Name & Signature of Internal Examiner

VIVEKANAND ... ESTD. JUNE 1964 KOLHAPUR 416 003

..|04|2021.

Name & Signature of External Examiner

Prof. Salokhe S. P.

79

Vivekanand College, Kolhapur (Autonomous) B. Sc. II, Sem. III Botany Examination 2021 Paper-III: 'Taxonomy, Embryology and Plant Physiology' Sub. code: Botany DSC 7 C Day & Date: Wednesday, 11/02/2021 Time: 2:30 to 3:15 p.m. Marks: 20

Each question carries 1 mark.

* Required

1. Email address *

_____

2. 1. The stalk of the flower is called as ---------- 1 point

Mark only one oval.

- ◯ Thallamus
- ◯ Pedicel
- ◯ Whorl
- ◯ Filament

3. 2. When filament contains only one anther lobe it is called as -------- 1 point

Mark only one oval.

- ◯ Monothecous
- ◯ Diothecous
- ◯ Monoceous
- ◯ Dioceous

16. 15. Which of the following is a double membrane bound organelle? 1 point 83

Mark only one oval.

- ◯ Nucleus
- ◯ Mitochondria
- ◯ Chloroplast
- ◯ All of the above

17. 16. The site of light reaction is -------- 1 point

Mark only one oval.

- ◯ Grana
- ◯ Thylakoid lumen
- ◯ Stroma
- ◯ Outer membrane

18. 17. ----------elements are known as macroelements. 1 point

Mark only one oval.

- ◯ Zn, Ni
- ◯ Ca, P
- ◯ B, Ni
- ◯ Cu, Fe

19. 18. Total -----elements are considered as essential elements. 1 point

Mark only one oval.

- ◯ 17
- ◯ 20
- ◯ 60
- ◯ 10

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

B. Sc. II, Sem. III, Botany Examination - 2021

Botany Paper-III : 'Taxonomy, Embryology & plant physiology'

B5

* Result *

Timestamp	Email Address	Score	1. The stalk of the flower i
2/11/2021 14:48:00	srushtisangar28@gmail.c	17 / 20	Pedicel
2/11/2021 14:48:12	sakhalkarveda1@gmail.c	17 / 20	Pedicel
2/11/2021 14:48:52	prajaktaangalave107@gm	16 / 20	Pedicel
2/11/2021 14:54:20	KrishnaKurdekar536@gm	15 / 20	Pedicel
2/11/2021 14:54:39	anjiriupadhye@gmail.com	19 / 20	Pedicel
2/11/2021 14:56:14	priyapatil2111@Gmail.co	18 / 20	Pedicel
2/11/2021 14:56:28	sakshisardar6@gmail.cor	14 / 20	Pedicel
2/11/2021 14:56:40	chaitralishinde8888@gma	17 / 20	Pedicel
2/11/2021 14:56:46	siddhinigade12029@gma	17 / 20	Pedicel
2/11/2021 14:57:48	geetamarulkar2001@gma	17 / 20	Pedicel
2/11/2021 14:58:26	aditijadhav5911@gmail.c	13 / 20	Pedicel
2/11/2021 15:03:47	vishal7262920946@gmai	19 / 20	Pedicel
2/11/2021 15:04:07	bandivadekarprasad07@	12/20	Pedicel
2/11/2021 15:06:25	nimushaikh568@gmail.co	17 / 20	Pedicel
2/11/2021 15:06:49	harshadawadikar8@gmai	15 / 20	Pedicel
2/11/2021 15:07:38	parhinaparande@gmail.c	16 / 20	Pedicel
2/11/2021 15:07:51	heblesanika000@gmail.c	18 / 20	Pedicel
2/11/2021 15:08:36	nehakolekar65@gmail.co	12 / 20	Pedicel
2/11/2021 15:08:41	ayarekarts@gmail.com	17 / 20	Pedicel
2/11/2021 15:09:03	koustubh.vanjari@gmail.c	16 / 20	Pedicel
2/11/2021 15:09:29	patilgauri9793@gmail.cor	17 / 20	Pedicel
2/11/2021 15:09:46	pradnyaavadhut724@gm	15 / 20	Pedicel
2/11/2021 15:09:51	pratikshasurya2001@gma	15 / 20	Filament
2/11/2021 15:10:31	shaikhrehmatsaniya@gm	18 / 20	Pedicel
2/11/2021 15:10:48	anghabanage@gmail.con	16 / 20	Pedicel
2/11/2021 15:11:04	swapnaliyevaluje@gmail.	17 / 20	Pedicel
2/11/2021 15:12:08	shirishsk2120@gmail.com	15 / 20	Pedicel
2/11/2021 15:12:15	pranav.datarbirds@gmail.	19 / 20	Pedicel
2/11/2021 15:12:16	Priyaritadsouza@gmail.c	7 / 20	Pedicel
2/11/2021 15:12:18	samikshashelar23@gmail	17 / 20	Pedicel
2/11/2021 15:12:18	yashbarapatre64@gmail.	19 / 20	Pedicel
2/11/2021 15:12:53	moreruth028@gmail.com	17 / 20	Pedicel
2/11/2021 15:13:29	sumitnavale4145@gmail.	15 / 20	Pedicel
2/11/2021 15:13:32	deshmukhharshwardhan	19 / 20	Pedicel
2/11/2021 15:13:37	shubhamshivatankar@gm	14 / 20	Pedicel
2/11/2021 15:13:55	phulabaipowar@gmail.co	19 / 20	Pedicel
2/11/2021 15:14:13	arbazmulani427@gmail.c	14 / 20	Pedicel
2/11/2021 15:14:20	shaguk0821@gmail.com	15 / 20	Filament
2/11/2021 15:14:20	praveenrp9828@gmail.cc	12 / 20	Pedicel
2/11/2021 15:14:32	siddheshwardoke1712@g	13 / 20	Pedicel
2/11/2021 15:14:34	aaditi.patil444@gmail.con	15 / 20	Filament
2/11/2021 15:14:38	nehakalantre0202@gmail	16 / 20	Pedicel
2/11/2021 15:14:41	shamitapatil2271@gmail.	19 / 20	Pedicel
2/11/2021 15:14:41	zeenathsayyad2017@gm	15 / 20	Pedicel
2/11/2021 15:14:42	abhilashayadav1609@gm	15 / 20	Pedicel

VIVEKANAND ESTD. JUNE 1964 KOLHAPUR-416003

Timestamp	Email Address	Score	1. The stalk of the flo
2/11/2021 15:14:49	nilamrfalle95@gmail.com		14 / 20 Filament
2/11/2021 15:14:50	kshitija807@gmail.com		18 / 20 Pedicel
2/11/2021 15:14:53	sonalisalavi2@gmail.com		15 / 20 Pedicel
2/11/2021 15:15:01	kamblemanoj175@gmail.		11 / 20 Pedicel
2/11/2021 15:15:01	aarzoosayyad0407@gma		14 / 20 Filament
2/11/2021 15:15:02	vijaykadamvk1262@gmai		13 / 20 Pedicel
2/11/2021 15:15:05	pritisarvagode2001@gma		18 / 20 Pedicel
2/11/2021 15:15:06	aaratijadhav3035@gmail.		14 / 20 Filament
2/11/2021 15:15:07	jadhavankita2810@gmail		12 / 20 Filament
2/11/2021 15:15:07	patilswota105@gmail.com		13 / 20 Pedicel
2/11/2021 15:15:08	polmrunal0817@gmail.co		15 / 20 Pedicel
2/11/2021 15:15:18	safiyakavthekar222@gma		12 / 20 Pedicel
2/11/2021 15:15:19	sawantshreya432@gmail		16 / 20 Pedicel
2/11/2021 15:15:20	akankshasalavi@gmail.co		13 / 20 Pedicel
2/11/2021 15:15:25	yogirajshevale8652@gma		13 / 20 Pedicel
2/11/2021 15:15:26	snehalmpatil2001@gmail		16 / 20 Pedicel
2/11/2021 15:15:32	rajvardhinipatil2000@gma		17 / 20 Pedicel
2/11/2021 15:15:35	chaitalipattankude@gmail		15 / 20 Pedicel
2/11/2021 15:15:41	swanandpowar01@gmail		13 / 20 Pedicel
2/11/2021 15:15:53	fahimmujawar60@gmail.c		15 / 20 Pedicel
2/11/2021 15:15:53	pratikshapange301@gma		12 / 20 Pedicel
2/11/2021 15:16:01	amrutakamble129@gmail		17 / 20 Pedicel
2/11/2021 15:16:09	Sapanaanilchougule@gm		14 / 20 Pedicel
2/11/2021 15:16:14	gng997500@gmail.com		13 / 20 Filament
2/11/2021 15:16:22	kirtipatil44719@gmail.com		16 / 20 Pedicel
2/11/2021 15:16:47	parthkurkute294@gmail.c		14 / 20 Pedicel
2/11/2021 15:16:59	shridharkamble1850@gm		13 / 20 Pedicel
2/11/2021 15:17:12	chandwanishradha08@gr		12 / 20 Pedicel
2/11/2021 15:17:13	prachikadam919@gmail.c		14 / 20 Pedicel
2/11/2021 15:17:17	patiltushar9890@gmail.co		12 / 20 Pedicel
2/11/2021 15:17:27	shivanichougale1811@gm		16 / 20 Pedicel
2/11/2021 15:17:31	poojasjadhav8592@gmai		11 / 20 Pedicel
2/11/2021 15:17:35	Rchinu111@gmail.com		16 / 20 Pedicel
2/11/2021 15:17:36	rohanmanuvelm@gmail.c		15 / 20 Pedicel
2/11/2021 15:17:37	pratiksha720931@gmail.c		12 / 20 Filament
2/11/2021 15:17:42	shivanigosavi1224@gmai		15 / 20 Pedicel
2/11/2021 15:17:48	snehalranage@gmail.com		13 / 20 Pedicel
2/11/2021 15:18:02	pratikdesai1920@gmail.c		11 / 20 Pedicel
2/11/2021 15:18:11	rutujakhandekar2000@gr		15 / 20 Pedicel
2/11/2021 15:18:24	shanirajdb0912@gmail.co		13 / 20 Pedicel
2/11/2021 15:19:04	manasvi8613@gmail.com		13/20 Pedicel
2/11/2021 15:19:45	swapnagandhakamble0@g		9 / 20 Thallamus
2/11/2021 15:19:49	nadimfakir05@gmail.com		10/20 Pedicel
2/11/2021 15:20:07	saniyasawant@gmail.com		18 / 20 Pedicel
2/11/2021 15:20:55	awaledayasagar@gmail.c		14 / 20 Pedicel

Timestamp	Email Address	Score	1. The stalk of the flower i
2/11/2021 15:21:14	ruchitamahadik2324@gm	16 / 20	Pedicel
2/11/2021 15:21:38	Priyankakarale0@gmail.c	14 / 20	Thallamus
2/11/2021 15:21:49	ifatmankar18@gmail.com	9/20	Filament
2/11/2021 15:21:57	desaishrawani24072001@	13 / 20	Pedicel
2/11/2021 15:22:20	patilshrutika765@gmail.c	14 / 20	Pedicel
2/11/2021 15:22:24	mayurkatale1886@gmail.	20 / 20	Pedicel
2/11/2021 15:22:32	satishpingale1977@gmail	15 / 20	Pedicel
2/11/2021 15:22:50	ishwarimahadik1111@ger	14 / 20	Pedicel
2/11/2021 15:23:29	snehaldm662@gmail.com	15 / 20	Pedicel
2/11/2021 15:23:38	karinabagade2000@gmai	15 / 20	Pedicel
2/11/2021 15:24:28	shinagareutkarsh@gmail.	15 / 20	Pedicel
2/11/2021 15:24:40	amrutagurav9169@gmail	17 / 20	Pedicel
2/11/2021 15:24:41	harshakamble131@gmail	16 / 20	Thallamus
2/11/2021 15:24:50	vaishnavghadge55@gma	15 / 20	Pedicel
2/11/2021 15:25:07	24anjali03@gmail.com	14 / 20	Pedicel
2/11/2021 15:25:16	kunaldarvan9292@gmail.	19 / 20	Pedicel
2/11/2021 15:26:20	aditiyadavv1510@gmail.c	15 / 20	Pedicel
2/11/2021 15:26:24	poonamghule587@gmail.	18 / 20	Pedicel
2/11/2021 15:26:34	ashwinikhot2001@gmail.(	19 / 20	Pedicel
2/11/2021 15:27:07	vinayajadhav282@gmail.(	15 / 20	Pedicel
2/11/2021 15:27:29	poojaranamale4913@gm	16 / 20	Pedicel
2/11/2021 15:27:44	somkar3031@gmail.com	18 / 20	Pedicel
2/11/2021 15:28:39	jagtapshital99@gmail.con	13 / 20	Pedicel
2/11/2021 15:28:50	pranalimagdum2000@gm	13 / 20	Pedicel
2/11/2021 15:29:07	siddhibalugade5050@gm	9/20	Pedicel
2/11/2021 15:30:00	pprasdpappu@gmail.com	19 / 20	Pedicel
2/11/2021 15:30:05	swapnilkhot72247224@g	12 / 20	Pedicel
2/11/2021 15:31:55	Swarajpatil2283@gmail.c	14 / 20	Pedicel
2/11/2021 15:32:23	pratikshatalkar2001@gma	16 / 20	Pedicel
2/11/2021 15:33:53	akankshatalkar2001@gm	16 / 20	Pedicel
2/11/2021 15:34:40	baramdin9850@gmail.cor	14 / 20	Pedicel
2/11/2021 15:35:19	pratikshasalavi29@gmail.	15 / 20	Pedicel
2/11/2021 15:35:31	shruud2219@gmail.com	20 / 20	Pedicel
2/11/2021 15:35:32	ghadagevaishnavi4@gma	20 / 20	Pedicel
2/11/2021 15:35:33	sanamullani7077@gmail.(	20 / 20	Pedicel
2/11/2021 15:41:11	salwankarsiddhi@gmail.c	17 / 20	Pedicel
2/11/2021 15:41:51	juveriyabanadar@gmail.c	18 / 20	Pedicel
2/11/2021 15:45:18	pratikshathakare00@gma	11 / 20	Filament
2/11/2021 15:45:50	pr8412975@gmail.com	12 / 20	Filament
2/11/2021 15:46:22	davarisiddhi@gmail.com	11 / 20	Filament
2/11/2021 15:49:42	saima11mullani@gmail.cc	14 / 20	Pedicel
2/11/2021 15:56:27	patilvaishnavi940@gmail.	18 / 20	Pedicel
2/11/2021 16:09:59	jiyabagban9717@gmail.c	8 / 20	Pedicel
2/11/2021 16:22:13	pprasadpappu@gmail.cor	19 / 20	Pedicel
2/11/2021 17:07:46	bhushanpatil1834@gmail	10/20	Filament

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Internal Exam B. Sc II"

Organized by

Department of Botany

On

11th February 2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Internal Exam B. Sc. II

11th February, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE * KOLHAPUR (M.S.) * ESTD. JUNE 1964

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019 **Subject :** BOTANY

Course : B.SC. SEM 3 **Subject Code :** DSC-1007C

Max Marks : 20 **Exam Name :** CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
1	BARADE ASHWINI BAJIRAO	7501	Un Locked	10+10=20
2	BIRANJE SONALI UTTAM	7502	Un Locked	09+09=18
3	CHAUS RIJWAN SHABBIR	7503	Un Locked	09+09=18
4	CHAWLA SIMRAN SUNIL	7504	Un Locked	10+10=20
5	GAIKWAD DIVYANI RAMESH	7505	Un Locked	07+07=14
6	GHATAGE HRUTIK AVINASH	7506	Un Locked	10+10=20
7	GHORPADE HARSHAWARDHAN AJITSINGH	7507	Un Locked	10+10=20
8	GURAV RUSHIKESH BALKRISHNA	7508	Un Locked	09+09=18
9	KADAM GOURI DATTATRAY	7509	Un Locked	10+10=20
10	KAMBLE AKSHATA PRAFULL	7510	Un Locked	10+10=20
11	KAMBLE SANGRAMSHING KIRAN	7512	Un Locked	Ab
12	KATKAR PRIYANKA INDRAJIT	7513	Un Locked	10+10=20
13	KAZI TABASUM ARIF	7515	Un Locked	10+10=20
14	LOKHANDE KETKI KISAN	7518	Un Locked	10+10=20
15	MALAVI SAYALI GAUTAM	7519	Un Locked	10+10=20
16	MASUTE KOMAL KIRAN	7520	Un Locked	10+10=20
17	MASUTE MANASI UDAY	7521	Un Locked	10+10=20
18	MHETRI BHAKTI SUKUMAR	7522	Un Locked	10+10=20
19	MULLA JABIULLA ABUBAKAR	7523	Un Locked	10+10=20
20	MULLA SAMIYA ISAK	7524	Un Locked	10+10=20
21	NAIKAWADI FIRDAUS ANJUM	7526	Un Locked	10+10=20
22	NAKATE SHIVANI SANJAY	7527	Un Locked	10+10=20
23	PATIL DHANASHREE SHANKAR	7528	Un Locked	10+10=20
24	PATIL OMKAR VILAS	7529	Un Locked	09+09=18
25	PATIL ONKAR NARAYAN	7530	Un Locked	10+10=20
26	PAWAR HIRNAKSHI PRALHAD	7531	Un Locked	10+10=20
27	PUJARI PRIYANKA MUTTAPPA	7532	Un Locked	10+10=20
28	PUNDE BHAKTI ASHOK	7533	Un Locked	10+10=20
29	PUNDE SHRUSHTI ASHOK	7534	Un Locked	10+10=20
30	PUNDE TRUPTI ASHOK	7535	Un Locked	10+10=20
31	SATPUTE SURAJ TUKARAM	7536	Un Locked	10+10=20
32	SAWANT ROHINI VITTHAL	7537	Un Locked	10+10=20
33	SAWAT MRUNAL KRISHNAT	7538	Un Locked	10+10=20
34	SHAIKH YASIN SAMAD	7539	Un Locked	09+09=18
35	SURVANSHI SHUBHANGI SARDAR	7540	Un Locked	10+10=20
36	SWAMI ATHRAV GAJANAN	7541	Un Locked	10+10=20
37	UPADHYE SUYOG SAGAR	7542	Un Locked	10+10=20
38	WADKAR RUSHIKESH DHONDIRAM	7544	Un Locked	10+10=20

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019

Course : B.SC. SEM 3

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007C

Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
39	WAGARE SAMADHAN BANDOPANT	7545	Un Locked	Ab
40	WARAKE PRATIKSHA NAMDEV	7546	Un Locked	10+10=20
41	KAMBLE SAURABH SANJAY	7548	Un Locked	09+09=18
42	ARALEKAR SHRIYA SANTOSH	7577	Un Locked	10+10=20
43	CHOUGALE TEJASWINI BAJIRAV	7578	Un Locked	10+10=20
44	DAVARI PRATHAMESH RAJAN	7579	Un Locked	10+10=20
45	DESAI PRADNYA RAMESH	7580	Un Locked	10+10=20
46	GAIKWAD SAMRUDHI VIJAYKUMAR	7581	Un Locked	10+10=20
47	HAJARE SNEHAL SATAPA	7582	Un Locked	10+10=20
48	HEGADE ADITI ARUN	7583	Un Locked	10+10=20
49	KARADE AISHWARYA ANANDA	7584	Un Locked	10+10=20
50	KATKAR ANIKET ASHOK	7585	Un Locked	10+10=20
51	KOLI VIVEK DILIP	7586	Un Locked	10+10=20
52	KSHIRSAGAR SHARDHA VIKAS	7587	Un Locked	10+10=20
53	KUMBHAR VRUSHALI SAGAR	7588	Un Locked	10+10=20
54	MADAKE PRATHAMESH KRISHNAT	7589	Un Locked	10+10=20
55	MUJAWAR SANIYA ABDULGANI	7591	Un Locked	10+10=20
56	NAIK SUDSHMITA PRAKASH	7592	Un Locked	10+10=20
57	NANGARE VRUSHALI PANDURANG	7593	Un Locked	10+10=20
58	PATIL BHAGYASHRI BALASAHEB	7595	Un Locked	10+10=20
59	PATIL BHAGYASHRI BHIMRAO	7596	Un Locked	10+10=20
60	PATIL PRATIK DHANAJI	7597	Un Locked	09+09=18
61	PATIL SANDHYARNI NAMDEV	7598	Un Locked	10+10=20
62	PATIL SUCHITA DATTATRAY	7599	Un Locked	10+10=20
63	POWAR SAKSHI SANTOSH	7600	Un Locked	09+09=18
64	RAMANE SURAJ BALAVANT	7601	Un Locked	10+10=20
65	RASAL PRAJWAL BABASO	7602	Un Locked	09+09=18
66	REDEKAR SNEHAL RAMCHANDRA	7603	Un Locked	10+10=20
67	SUTAR MONICA GORAKHNATH	7604	Un Locked	09+09=18
68	TATE DEEPAK PANDURANG	7605	Un Locked	10+10=20
69	PARIT KOMAL RAJKUMAR	7606	Un Locked	10+10=20
70	ADKURKAR SUPRIYA BALU	7607	Un Locked	10+10=20
71	BAGWAN SIDDHIKA JAHIDAHMAD	7608	Un Locked	10+10=20
72	BAVACHE DHANANJAY KIRAN	7609	Un Locked	10+10=20
73	BAYGOL ANIL PARSHURAM	7610	Un Locked	10+10=20
74	BENADE DHANASHRI KRUSHNAT	7611	Un Locked	10+10=20
75	BHOI SHRADDHA ANNASAHEB	7612	Un Locked	10+10=20
76	GADGIL JYOTI BAJIRAO	7613	Un Locked	10+10=20

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416 003

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019

Course : B.SC. SEM 3

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007C

Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
77	GAIKWAD APEKSHA YASHAVANT	7614	Un Locked	10+10=20
78	GAIKWAD SHRADHA SHANKAR	7615	Un Locked	10+10=20
79	GOKHALE MAKARAND MOHAN	7616	Un Locked	10+10=20
80	HUNDEKARI VRUSHABH SUNIL	7617	Un Locked	10+10=20
81	KADAM RUSHIKESH BALASAHEB	7618	Un Locked	10+10=20
82	KADAM RUTUJA VITTHAL	7619	Un Locked	10+10=20
83	KAMBLE RUSHIKESH MALLAPPA	7620	Un Locked	10+10=20
84	KESARKAR ABHISHEK NARSINGRAO	7621	Un Locked	10+10=20
85	KESARKAR PRAJAKTA RAJARAM	7622	Un Locked	10+10=20
86	KHADE AAKANKSHA HARISHCHANDRA	7623	Un Locked	10+10=20
87	KHOT OMKAR RAMCHANDRA	7624	Un Locked	10+10=20
88	KHOT SAKSHI SURESH	7625	Un Locked	10+10=20
89	KHOT SANMATI AANNASO	7626	Un Locked	09+09=18
90	KHOT SHUBHANGI KRISHNAT	7627	Un Locked	10+10=20
91	KHOT SOUNDARYA SANJAY	7628	Un Locked	10+10=20
92	KORE RUTVIK DEEPAK	7629	Un Locked	10+10=20
93	KUMBHAR PRANOTI SUNIL	7630	Un Locked	10+10=20
94	LONDHE SHUVANEE BHIMRAO	7631	Un Locked	10+10=20
95	MAJGAONKAR SHWETA PAVAN	7632	Un Locked	10+10=20
96	MHATUGADE PRAJAKATA SANJAY	7633	Un Locked	10+10=20
97	MORE RUTUJA BAJIRAO	7634	Un Locked	10+10=20
98	NAIK RUTUJA LAXMAN	7635	Un Locked	10+10=20
99	NALAWADE PALLAVI UDAY	7636	Un Locked	10+10=20
100	PACHPUND VINAYAK SHAHAJI	7637	Un Locked	10+10=20
101	PARIT RUTUJA BHAGAVAN	7638	Un Locked	09+09=18
102	PATIL AKANKSHA ASHOK	7639	Un Locked	10+10=20
103	PATIL PRADNYA BHIKAJI	7640	Un Locked	10+10=20
104	PATIL PRIYANKA SANJAY	7641	Un Locked	10+10=20
105	PATIL SHRADDHA PANDURANG	7642	Un Locked	10+10=20
106	PATIL SOHAN RAMESH	7643	Un Locked	10+10=20
107	PATIL ULKA BHAGWAN	7644	Un Locked	10+10=20
108	PORE SAINATH VIJAY	7645	Un Locked	09+09=18
109	POWAR PRAJKTA DASHRATH	7646	Un Locked	10+10=20
110	POWAR RUSHIKESH BHAGAVAT	7647	Un Locked	10+10=20
111	SASANE AISHWARYA BHAGVAN	7648	Un Locked	10+10=20
112	SASE SAPANA BHARAT	7649	Un Locked	10+10=20
113	SHINDE SWAPNIL SARDAR	7650	Un Locked	10+10=20
114	SHINGE ALISHA JAGANNATH	7651	Un Locked	10+10=20

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019

Course : B.SC. SEM 3

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007C

Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
115	SUTAR NAMRATA DASHRATH	7652	Un Locked	10+10=20
116	SWAMI SHIVANI SUBHASH	7653	Un Locked	10+10=20
117	ULAPE ANUJA ARUN	7654	Un Locked	10+10=20
118	VIBHUTE RUTUJA SANTOSH	7655	Un Locked	10+10=20
119	WADEYAR ANIRUDH KRSHNA	7656	Un Locked	10+10=20
120	ANGRE SRUSHTI PANDURANG	7657	Un Locked	10+10=20
121	AYARE SHRUTIKA UMESH	7658	Un Locked	10+10=20
122	CHAVAN SAYALI SHANKAR	7659	Un Locked	10+10=20
123	CHOUGALE OMKAR SHASHIKANT	7660	Un Locked	09+09=18
124	GURAV PRAJAKTA CHANDRAKANT	7661	Un Locked	09+09=18
125	HAVALE MANASI ANIL	7662	Un Locked	10+10=20
126	HIRDEKAR MRUNAL RANGRAO	7663	Un Locked	10+10=20
127	HUMBE PRIYANKA VIJAY	7664	Un Locked	09+09=18
128	JADHAV ROHAN RAMDAS	7665	Un Locked	10+10=20
129	KAMBLE ARUNDHATI AVINASH	7666	Un Locked	08+08=16
130	KHAIRMODE RUCHITHA CHANDRAKANTH	7667	Un Locked	10+10=20
131	KOLI KRUTIKA RAJENDRA	7668	Un Locked	09+09=18
132	LAD SUPRIYA ANANDA	7669	Un Locked	10+10=20
133	MAGADUM PRATIKSHA MAHIPATI	7670	Un Locked	10+10=20
134	MALAP SHITAL KRUSHNAT	7671	Un Locked	09+09=18
135	MORE NIKITA DILIP	7672	Un Locked	10+10=20
136	MORE SHRADDHA PRAKASH	7673	Un Locked	10+10=20
137	MUNDE RAMESHWAR BALAJI	7674	Un Locked	10+10=20
138	NAIKWADI FIZA AFTAB	7675	Un Locked	09+09=18
139	PATIL ABHAY BAJIRAO	7676	Un Locked	09+09=18
140	PATIL AKSHATA KUBER	7677	Un Locked	09+09=18
141	PATIL ANUSHKA DHANAJI	7678	Un Locked	10+10=20
142	PATIL RAJASHRI PRAKASH	7679	Un Locked	10+10=20
143	PATIL VAISHNAVI MILIND	7680	Un Locked	10+10=20
144	POWAR NITA TANAJI	7682	Un Locked	08+08=16
145	POWAR RAVINA KIRAN	7683	Un Locked	10+10=20
146	SHINDE TEJASWINI SUBHASH	7684	Un Locked	09+09=18
147	SUTAR SHREYA SUNIL	7685	Un Locked	09+09=18
148	SUTAR SHWETA BAJIRAO	7686	Un Locked	09+09=18
149	THANEKAR SHWETA VISHNU	7687	Un Locked	10+10=20
150	TORASE SAYALI TUKARAM	7688	Un Locked	10+10=20
151	VARUTE NILAM ANANDA	7689	Un Locked	10+10=20
152	LAD SAYALI BHAUSAHEB	7690	Un Locked	08+08=16

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

7681

Name & Signature of Internal Examiner

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARK ENTRY REPORT

Session : OCTOBER 2019

Course : B.SC. SEM 3

Max Marks : 20

Subject : BOTANY

Subject Code : DSC-1007C

Exam Name : CIE

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
153	CHAVAN SIDDHI MILIND	7869	Un Locked	09+09=18
154	KALUGADE SOURABH RAVINDRA	7870	Un Locked	08+08=16
155	KHARASE RUSHIKESH DAYANAND	7874	Un Locked	
156.	Mitake Nisha Sunil	7590		10+10=20
157.	Ombase Tejas Bajirao	7594		10+10=20

(Dr. Sarika D. Patil)

(Dr. Alavikar. Annapurna. Ram)

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR (AUTONOMOUS)

for

Name & Signature of External Examiner

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Internal Exam B. Sc II (PP)"

Organized by

Department of Botany

On

11th February 2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Internal Exam B. Sc. II (PP)

11th February, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE * KOLHAPUR (AUTO.) * ESTD. JUNE 1964

108

B.Sc. II Plant Protection Examination 2021

B.Sc. II (Sem. III) Paper I and II General Agriculture and Plant Pathology
Sub. Code: DSC1012C2 Total Marks: 20
Day and Date: Thursday 11/02/2021 Time: 3.45 to 4.30
Instructions: Solve all the questions
Each question carry 1 mark.

* Required

1. Email address *

_____

2. 1) For plant material sterilization.....is used. 1 point

Mark only one oval.

- ( ) 0.1percent Mercuric Chloride
- ( ) 70 percent alcohol
- ( ) Acetone
- ( ) Petroleum Ether

3. 2) PDA is a .....media. 1 point

Mark only one oval.

- ( ) Synthetic
- ( ) Liquid
- ( ) Natural
- ( ) Semisynthetic

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416 003

100

4. 3) The severity of disease is.....

Mark only one oval.

- Inoculum
- Virulence
- Pathogen
- Pathogenicity

5. 4) Nematode causes.....disease. 1 point

Mark only one oval.

- Fungal
- Bacterial
- Mycoplasmal
- Root Knot

6. 5) .....is used as solidifying agent in culture media. 1 point

Mark only one oval.

- Potato
- Sugar
- Sucrose
- Agar

7. 6) Leaf blight of potato is an example of..... 1 point

Mark only one oval.

- Sporadic
- Endemic
- Pandemic
- Epidemic

112

16. 15) Following .....is known as cash crop. 1 point

Mark only one oval.

- ( ) Gram
- ( ) Groundnut
- ( ) Sugarcane
- ( ) Jowar

1 point

17. 16) Jowar is belongs to family.....

Mark only one oval.

- ( ) Fabaceae
- ( ) Poaceae
- ( ) Araceae
- ( ) Apiaceae

1 point

18. 17)For macroscopic study..... is used.

Mark only one oval.

- ( ) Forcep
- ( ) Hand lens
- ( ) Scalpel
- ( ) Conical flask

1 point

19. 18) Flame sterilization method is used for.....

Mark only one oval.

- ( ) Glasswares
- ( ) Plant material
- ( ) Platinum wire loop
- ( ) PDA

(122)

BSc II P.P. Informal Exam.

Timestamp	Email Address	Score	1) For plant material steril
2/11/2021 15:52:22	ramjanmujawar749@gmail.com	10/20	Acetone
2/11/2021 16:14:40	adityabagade38989@gmail.com	10 / 20	Acetone
2/11/2021 16:16:50	awaledayasagar@gmail.com	10 / 20	Acetone
2/11/2021 16:17:09	Shindsarkamble1850@gmail.com	11 / 20	Acetone
2/11/2021 16:17:24	yograjshevale8652@gmail.com	11 / 20	Acetone
2/11/2021 16:19:24	pratapchaluche99@gmail.com	11 / 20	Acetone
2/11/2021 16:19:28	shanirajdb0912@gmail.com	11 / 20	Acetone
2/11/2021 16:21:22	Siddheshwardoke1712@gmail.co	12 / 20	70 percent alcohol
2/11/2021 16:22:52	pratikshasurya2001@gmail.com	12 / 20	70 percent alcohol
2/11/2021 16:22:52	pratikdesai1920@gmail.com	16 / 20	0.1percent Mercuric Chlo
2/11/2021 16:26:45	poonamghule587@gmail.com	17 / 20	0.1percent Mercuric Chlo
2/11/2021 16:28:23	kamblemanoj175@gmail.com	13 / 20	70 percent alcohol
2/11/2021 16:28:24	sonalisalavi2@gmail.com	16 / 20	0.1percent Mercuric Chlo
2/11/2021 16:28:26	akankshasalavi@gmail.com	16 / 20	0.1percent Mercuric Chlo
2/11/2021 16:28:36	bhushanpatil1834@gmail.com	14 / 20	70 percent alcohol
2/11/2021 16:29:31	praveenrp9828@gmail.com	10 / 20	0.1percent Mercuric Chlo
2/11/2021 16:29:54	kunaldarvan9292@gmail.com	13 / 20	70 percent alcohol
2/11/2021 16:30:20	shinagareutkarsh@gmail.com	14 / 20	70 percent alcohol
2/11/2021 16:30:22	deshmukhharshwardhan682@gm	14 / 20	70 percent alcohol
2/11/2021 16:34:27	shivanigosavi1224@gmail.com	13 / 20	70 percent alcohol
2/11/2021 16:35:11	harshada19122000@gmail.com	14 / 20	70 percent alcohol
2/11/2021 16:35:28	Swarajpatil2283@gmail.com	9 / 20	0.1percent Mercuric Chlo
2/11/2021 16:35:36	manasvi8613@gmail.com	15 / 20	0.1percent Mercuric Chlo
2/11/2021 16:37:41	shubhamshivatankar@gmail.com	14 / 20	70 percent alcohol
2/11/2021 16:38:20	pr8412975@gmail.com	14 / 20	70 percent alcohol
2/11/2021 22:15:50	parthkurkute294@gmail.com	9/20	Acetone
2/11/2021 23:10:11	nayanshinde467@gmail.com	9/20	Acetone
2/11/2021 23:15:15	pranotij1911@gmail.com	9/20	Acetone
2/11/2021 23:20:15	snehalsawale2006@gmail.com	9/20	Acetone
2/11/2021 23:25:15	koustubhvanjari@gmail.com	10/20	Acetone

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

for Dipak | 2021.

"Education for Knowledge, Science, and Culture"
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

KOLHAPUR (AUTONOMOUS)

"Internal Exam B. Sc III"

Organized by

Department of Botany

On

17th July 2021

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR (M.S.)

Vivekanand College, Kolhapur (Autonomous)

Department of Botany

Internal Exam B. Sc. III

17th July, 2021

INDEX

Head
Department of Botany

Head
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE KOLHAPUR
BOTD. JUNE 1964

B.Sc. II (Plant Protection) Internal Exam (Sem IV) (115)

Timestamp	Email Address	Score	1. .....is a harmful stag
7/16/2021 11:04:55	pranotij1911@gmail.com	10 / 10	Larva
7/16/2021 11:07:51	akankshasalavi@gmail.cc	9 / 10	Larva
7/16/2021 11:07:52	sonalisalavi2@gmail.com	9 / 10	Larva
7/16/2021 11:09:33	pratikshesurya2001@gm	8 / 10	Larva
7/16/2021 11:11:36	ramjanmujawar749@gma	7 / 10	Larva
7/16/2021 11:16:40	pratiksha720931@gmail.c	9 / 10	None of these
7/16/2021 11:17:16	manasvi8613@gmail.com	8 / 10	Larva
7/16/2021 11:24:54	shivanigosavi1224@gmai	9 / 10	None of these
7/16/2021 11:26:48	awaledayasagar@gmail.c	5 / 10	Pupa
7/16/2021 11:26:48	harshada19122000@gma	10 / 10	Larva
7/16/2021 11:28:01	poonamghule587@gmail.	10 / 10	Larva
7/16/2021 11:30:37	pratapchaluche99@gmail	8 / 10	Larva
7/16/2021 11:30:38	adityabagade38989@gm	7 / 10	Larva
7/16/2021 11:30:49	shridharkamble1850@gm	7 / 10	Pupa
7/16/2021 11:31:30	shinagareutkarsh@gmail.	7 / 10	Pupa
7/16/2021 11:31:39	kunaldarvan9292@gmail.	7 / 10	Adult
7/16/2021 11:32:04	yogirajshevale8652@gma	6 / 10	Pupa
7/16/2021 11:33:04	shanirajdb0912@gmail.cc	7 / 10	Larva
7/16/2021 11:34:48	deshmukhharshwardhanE	7 / 10	Pupa
7/16/2021 11:36:06	nayanshinde467@gmail.c	6 / 10	Larva
7/16/2021 11:37:58	pratikdesai1920@gmail.c	9 / 10	Larva
7/16/2021 11:42:30	siddheshwardoke1712@g	6 / 10	Pupa
7/16/2021 11:53:28	swarajpatil2283@gmail.c	8 / 10	Pupa
7/16/2021 11:55:06	kamblemanoj175@gmail.	8 / 10	Larva
7/16/2021 11:55:21	shubhamshivatankar@gn	8 / 10	Larva
7/16/2021 12:37:40	bhushanpatil1834@gmail	5 / 10	Pupa
7/16/2021 19:00:19	parthkurkute294@gmail.c	8 / 10	Larva
7/16/2021 21:21:02	praveenrp9828@gmail.cc	7 / 10	Pupa

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Kagale

(16/07/21)

(Dr. Lubdha A. Kagale)

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARKS ENTRY REPORT

Session : MAR-APR 2021
Course : B.SC. SEM 5
Subject : BOTANY (DSE - 1007E1)
Examination Date & Time: _____

Exam Name : CIE
Max Marks : 20
Remark :
Marks Submission Date: _____

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
1	BAGWAN SIDDHIKA JAHIDAHMAD	8253	Un Locked	19
2	BAVACHE DHANANJAY KIRAN	8254	Un Locked	19
3	CHAVAN SIDDHI MILIND	8255	Un Locked	19
4	GADGIL JYOTI BAJIRAO	8256	Un Locked	18
5	GOKHALE MAHARAND MOHAN	8257	Un Locked	19
6	HUNDEKARI VRUSHABH SUNIL	8258	Un Locked	18
7	KADAM RUSHIKESH BALASAHEB	8259	Un Locked	20
8	KADAM RUTUJA VITTHAL	8260	Un Locked	20
9	KESARKAR ABHISHEK NARSINGRAO	8261	Un Locked	20
10	KESARKAR PRAJAKTA RAJARAM	8262	Un Locked	20
11	KHADE AAKANKSHA HARISHCHANDRA	8263	Un Locked	20
12	KHOT OMKAR RAMCHANDRA	8264	Un Locked	19
13	KHOT SANMATI AANNASO	8265	Un Locked	19
14	KHOT SHUBHANGI KRISHNAT	8266	Un Locked	20
15	KHOT SOUNDARYA SANJAY	8267	Un Locked	19
16	KUMBHAR PRANOTI SUNIL	8268	Un Locked	19
17	MHATUGADE PRAJAKATA SANJAY	8269	Un Locked	20
18	NAIK RUTUJA LAXMAN	8270	Un Locked	20
19	NALAWADE PALLAVI UDAY	8271	Un Locked	20
20	PARIT KOMAL RAJKUMAR	8272	Un Locked	20
21	PATIL AKANKSHA ASHOK	8273	Un Locked	20
22	PORE SAINATH VIJAY	8275	Un Locked	20
23	SASANE AISHWARYA BHAGVAN	8276	Un Locked	20
24	SASE SAPANA BHARAT	8277	Un Locked	20
25	SHINGE ALISHA JAGANNATH	8278	Un Locked	20
26	SWAMI SHIVANI SUBHASH	8279	Un Locked	20
27	UJAPE ANUJA ARUN	8280	Un Locked	20
28	VIBHUTE RUTUJA SANTOSH	8281	Un Locked	19
29	WADEYAR ANIRUDH KRISHNA	8282	Un Locked	20
30	PATIL ULKA BHAGWAN	8274		17
31	IDE SUREKHA NAMDEV	8368		17
32	MORE SUHAS ASHOK	8369		14

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR

Name & Signature of External Examiner

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

MARKS ENTRY REPORT

Session : MAR-APR 2021
Course : B.SC., SEM 5
Subject : BOTANY (DSE - 1002E2)
Examination Date & Time:

Exam Name : CIE
Max Marks : 20
Remark :
Marks Submission Date:

Sr. No.	Student Name	Roll No. / Reg No.	Lock Status	Marks
1	BAGWAN SIDDIKA JAMIDAHMAD	8253	Un Locked	20
2	BAVACHE DHANANJAY KIRAN	8254	Un Locked	19
3	CHAVAN SIDDHI MILIND	8255	Un Locked	18
4	GADGIL JYOTI BAJIRAO	8256	Un Locked	18
5	GOKHALE MAKARAND MOHAN	8257	Un Locked	19
6	HUNDEKARI VRUSHABH SUNIL	8258	Un Locked	19
7	KADAM RUSHIKESH BALASAHEB	8259	Un Locked	19
8	KADAM RUTUJA VITTHAL	8260	Un Locked	20
9	KESARKAR ABHISHEK NARSINGRAO	8261	Un Locked	19
10	KESARKAR PRAJAKTA RAJARAM	8262	Un Locked	19
11	KHADE AAKANKSHA HARISHCHANDRA	8263	Un Locked	20
12	KHOT OMKAR RAMCHANDRA	8264	Un Locked	19
13	KHOT SANMATI AANNASO	8265	Un Locked	20
14	KHOT SHUBHANGI KRISHNAT	8266	Un Locked	19
15	KHOT SOUNDARYA SANJAY	8267	Un Locked	20
16	KUMBHAR PRANOTI SUNIL	8268	Un Locked	19
17	MHATUGADE PRAJAKATA SANJAY	8269	Un Locked	19
18	NAIK RUTUJA LAXMAN	8270	Un Locked	20
19	NALAWADE PALLAVI UDAY	8271	Un Locked	20
20	PARIT KOMAL RAJKUMAR	8272	Un Locked	19
21	PATIL AKANKSHA ASHOK	8273	Un Locked	20
22	PORE SAINATH VIJAY	8275	Un Locked	19
23	SASANE AISHWARYA BHAGVAN	8276	Un Locked	20
24	SASE SAPANA BHARAT	8277	Un Locked	20
25	SHINGE ALISHA JAGANNATH	8278	Un Locked	20
26	SWAMI SHIVANI SUBHASH	8279	Un Locked	19
27	ULAPE ANUJA ARUN	8280	Un Locked	20
28	VIBHUTE RUTUJA SANTOSH	8281	Un Locked	19
29	WADEYAR ANIRUDH KRISHNA	8282	Un Locked	20
30	PATIL ULKA BHAGWAN	8274		19
31	IDE SUREKHA NAMDEV	8368		18
32	MORE SUHAS ASHOK	8369		15

Name & Signature of Internal Examiner

Name & Signature of External Examiner

Head
Department of Botany
Vivekanand College

B.Sc. III

Botany (128)

Pat - IX

SHIVAJI UNIVERSITY, KOLHAPUR

SubjectWise Blank Mark Entry Sheet for Exam Oct-2019

Course : B.Sc (Sem.) Pattern : semester

Course Part : B.Sc (Sem.-V) part No-3

Subject : 65836-Botany Paper IX(Termwork)

Max Mark : 10 Pass Mark : 4

College : Vivekanand College

Seat No.	PRNNO	Student Name	Marks	Student Sign
32505	2016049084	KAMBLE PRATHMESH DILIP	05	
32506	2016058117	MALI ABHIJEET RAGHUNATH	05	
32507	2017059626	KHODBALE AMRUTA TATYASO	10	
32508	2017058969	PATIL NIKITA RAGHUNATH	10	
32509	2017059055	ANGRE SALONI SARDAR	10	
32510	2017074249	BARBOZA ROSHANI RUZARIO	10	
32511	2017045289	CHANDANSHIVE PALLAVI SUNIL	10	
32512	2017059786	GAIKWAD MAYURI SAYAJI	10	
32513	2017059307	GURAV PRANALI VIJAY	10	
32514	2017059212	KHOT MEGHA SADASHIV	10	
32515	2017059209	PARANDE SHITAL SHAMRAO	10	
32516	2015015500740306	PATIL AMRITA SAYAJI	10	
32517	2017058735	PATIL HARSHADA DATTATRAY	10	
32518	2017059853	PATIL NIKITA SARJERAO	10	
32519	2017059224	PATIL POOJA RAMCHANDRA	10	
32520	2017059843	PATIL SHAMAL SHRIDHAR	10	
32521	2017059866	PAWAR ANKITA VILAS	10	
32522	2017103153	WALVEKAR RUTUJA SARDAR	10	

Total : 18 Ab :

1) Prof. Salokhe S. P.

2) Dr. Jyoti M. Gosale

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416 003

Internal Examiner

Ab = Absent , TNG = Term Not Granted , NA = Any Other Case

Printed By : Printed On : 07/10/2019 12:45:11 PM

129

SHIVAJI UNIVERSITY, KOLHAPUR

SubjectWise Blank Mark Entry Sheet for Exam Oct-2019

Course : B.Sc.(Sem.) Pattern : semester

Course Part : B.Sc.(Sem.-5) part No-3

Subject : 65837-Botany Paper X(Termwork)

Max Mark : 10 Pass Mark : 4

College : Vivekanand College

Seat No.	PRNNO	Student Name	Marks	Student Sign
32505	2016049084	KAMBLE PRATHMESH DILIP	09	
32506	2016048117	MALI ABHIJEET RAGHUNATH	09	
32507	2017059626	KHODBALE AMRUTA TATYASO	10	
32508	2017058989	PATIL NIKITA RAGHUNATH	10	
32509	2017059055	ANGRE SALONI SARDAR	10	
32510	2017074249	BARBOZA ROSHANI RUZARIO	10	
32511	2017045289	CHANDANSHIVE PALLAVI SUNIL	10	
32512	2017059786	GAIKWAD MAYURI SAYAJI	10	
32513	2017059307	GURAV PRANALI VIJAY	10	
32514	2017059212	KHOT MEGHA SADASHIV	10	
32515	2017059209	PARANDE SHITAL SHAMRAO	10	
32516	2015015500740306	PATIL AMRITA SAYAJI	09	
32517	2017058735	PATIL HARSHADA DATTATRAY	10	
32518	2017059853	PATIL NIKITA SARJERAO	10	
32519	2017059224	PATIL POOJA RAMCHANDRA	10	
32520	2017059843	PATIL SHAMAL SHRIDHAR	10	
32521	2017059866	PAWAR ANKITA VILAS	10	
32522	2017103153	WALVEKAR RUTUJA SARDAR	10	

Total : 18 Ab :

1.) Asst. Prof. Gurav S. A.

VIVEKANAND COLLEGE KOLHAPUR ESTD. JUNE 1964

Internal Examiner

Ab = Absent , TNG = Term Not Granted , NA = Any Other Case

Printed By : Printed On : 07/10/2019 12:45:27 PM

Botany
Tut - XI

130

SHIVAJI UNIVERSITY, KOLHAPUR

SubjectWise Blank Mark Entry Sheet for Exam Oct-2019

Course : B.Sc.(Sem.) Pattern : semester

Course Part : B.Sc.(Sem.-5) part No-3

Subject : 65838-Botany Paper XI(Termwork)

Max Mark : 10 Pass Mark : 4

College : Vivekanand College

Seat No.	PRNNO	Student Name	Marks	Student Sign
32505	2016049084	KAMBLE PRATHMESH DILIP	08	
32506	2016048117	MALI ABHIJEET RAGHUNATH	08	
32507	2017059626	KHODBALE AMRUTA TATYASO	09	
32508	2017058089	PATIL NIKITA RAGHUNATH	10	
32509	2017059055	ANGRE SALONI SARDAR	10	
32510	2017074249	BARBOZA ROSHANI RUZARIO	10	
32511	2017045289	CHANDANSHIVE PALLAVI SUNIL	10	
32512	2017059786	GAIKWAD MAYURI SAYAJI	10	
32513	2017059307	GURAV PRANALI VIJAY	10	
32514	2017059212	KHOT MEGHA SADASHIV	10	
32515	2017059209	PARANDE SHITAL SHAMRAO	10	
32516	2015015500740306	PATIL AMRITA SAYAJI	10	
32517	2017058735	PATIL HARSHADA DATTATRAY	10	
32518	2017059853	PATIL NIKITA SARJERAO	10	
32519	2017059224	PATIL POOJA RAMCHANDRA	10	
32520	2017059843	PATIL SHAMAL SHRIDHAR	10	
32521	2017059866	PAWAR ANKITA VILAS	10	
32522	2017103153	WALVEKAR RUTUJA SARDAR	10	

Total : 18 Ab :

1. Dr. S. D. Patil.

2. Dr. Lubdha A. Kagale LAKagale

VIVEKANAND COLLEGE * ESTD JUNE 1964 KOLHAPUR-416003

Internal Examiner

Ab = Absent , TNG = Term Not Granted , NA = Any Other Case

Printed By : Printed On : 07/10/2019 12:46:11 PM

Botany
Pet - XII
131

SHIVAJI UNIVERSITY, KOLHAPUR

SubjectWise Blank Mark Entry Sheet for Exam Oct-2019

Course : B.Sc.(Sem.) Pattern : semester

Course Part : B.Sc.(Sem.-5) part No-3

Subject : 65839-Botany Paper XII(Termwork)

Max Mark : 10 Pass Mark : 4

College : Vivekanand College

Seat No.	PRNNO	Student Name	Marks	Student Sign
32505	2016049084	KAMBLE PRATHMESH DILIP	07	
32506	2016048117	MALI ABHIJEET RAGHUNATH	08	
32507	2017059626	KHODRALE AMRUTA TATYASO	08	
32508	2017058989	PATIL NIKITA RAGHUNATH	10	
32509	2017059055	ANGRE SALONI SARDAR	10	
32510	2017074249	BARBOZA ROSHANI RUZARIO	10	
32511	2017045289	CHANDANSHIVE PALLAVI SUNIL	10	
32512	2017059786	GAIKWAD MAYURI SAYAJI	10	
32513	2017059307	GURAV PRANALI VIJAY	10	
32514	2017059212	KHOT MEGHA SADASHIV	10	
32515	2017059209	PARANDE SHITAL SHAMRAO	10	
32516	20150155007403O6	PATIL AMRITA SAYAJI	10	
32517	2017058735	PATIL HARSHADA DATTATRAY	10	
32518	2017059853	PATIL NIKITA SARJERAO	09	
32519	2017059224	PATIL POOJA RAMCHANDRA	10	
32520	2017059843	PATIL SHAMAL SHRIDHAR	10	
32521	2017059866	PAWAR ANKITA VILAS	10	
32522	2017103153	WALVEKAR RUTUJA SARDAR	10	

Total : 18 Ab : 00

1) Dr. Alavikar. A. R

2) Prof. Wadkar S.S.

3) Dr. Jyoti M. Gosule

VIVEKANAND COLLEGE * KOLHAPUR (AUTO) * ESTD. JUNE 1964

Internal Examiner

Ab = Absent , TNG = Term Not Granted , NA = Any Other Case

Printed By : Printed On : 07/10/2019 12:46:26 PM

132

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
MARKS ENTRY REPORT

Session : JULY-AUGUST 2021
Course : B.SC. SEM 6
Subject : BOTANY (DSE 1007F1

Exam Name : CIE
Max Marks : 20

SR NO	ResultDetailId	FullName	RollNumber	ExamRollNumber	MarksObt
1	13614517	BAGWAN SIDDHIKA JAHIDAHMAD	8253	8253	19
2	13614500	BAVACHE DHANANJAY KIRAN	8254	8254	20
3	13614522	CHAVAN SIDDHI MILIND	8255	8255	20
4	13614502	GADGIL JYOTI BAJIRAO	8256	8256	18
5	13614496	GOKHALE MAKARAND MOHAN	8257	8257	20
6	13673622	HUNDEKARI VIRUSHABH SUNIL	8258	8258	19
7	13614495	KADAM RUSHIKESH BALASAHEB	8259	8259	20
8	13614516	KADAM RUTUJA VITTHAL	8260	8260	20
9	13614521	KESARKAR ABHISHEK NARSINGRAO	8261	8261	20
10	13614515	KESARKAR PRAJAKTA RAJARAM	8262	8262	20
11	13614505	KHADE AAKANKSHA HARISHCHANDRA	8263	8263	20
12	13614510	KHOT OMKAR RAMCHANDRA	8264	8264	20
13	13614512	KHOT SANMATI AANNASO	8265	8265	19
14	13614513	KHOT SHUBHANGI KRISHNAT	8266	8266	20
15	13614506	KHOT SOUNDARYA SANJAY	8267	8267	16
16	13614520	KUMBHAR PRANOTI SUNIL	8268	8268	19
17	13614503	MHATUGADE PRAJAKATA SANJAY	8269	8269	20
18	13614523	NAIK RUTUJA LAXMAN	8270	8270	18
19	13614519	NALAWADE PALLAVI UDAY	8271	8271	20
20	13614504	PARIT KOMAL RAJKUMAR	8272	8272	20
21	13614509	PATIL AKANKSHA ASHOK	8273	8273	20
22	13614514	PATIL ULKA BHAGWAN	8274	8274	20
23	13614507	PORE SAINATH VIJAY	8275	8275	20
24	13614494	SASANE AISHWARYA BHAGVAN	8276	8276	20
25	13614511	SASE SAPANA BHARAT	8277	8277	20
26	13614508	SHINGE ALISHA JAGANNATH	8278	8278	19
27	13614497	SWAMI SHIVANI SUBHASH	8279	8279	19
28	13614498	ULAPE ANUJA ARUN	8280	8280	18
29	13614499	VIBHUTE RUTUJA SANTOSH	8281	8281	20
30	13614501	WADEYAR ANIRUDH KRISHNA	8282	8282	20
31	13614524	IDE SUREKHA NAMDEV	8368	8368	16
32	13614525	MORE SUHAS ASHOK	8369	8369	15

29-07-21

Head 29/7/2021.
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416004

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

(133)

MARK ENTRY REPORT

Session : JULY-AUGUST 2021

Course : B.SC. SEM 6

Max Marks : 20

Subject : BOTANY

Subject Code : DSE 1007F1

Exam Name : CIE

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
1	8253	Locked	19
2	8254	Locked	20
3	8255	Locked	20
4	8256	Locked	18
5	8257	Locked	20
6	8258	Locked	19
7	8259	Locked	20
8	8260	Locked	20
9	8261	Locked	20
10	8262	Locked	20
11	8263	Locked	20
12	8264	Locked	20
13	8265	Locked	19
14	8266	Locked	20
15	8267	Locked	16
16	8268	Locked	19
17	8269	Locked	20
18	8270	Locked	18
19	8271	Locked	20
20	8272	Locked	20
21	8273	Locked	20
22	8274	Locked	20
23	8275	Locked	20
24	8276	Locked	20
25	8277	Locked	20
26	8278	Locked	19
27	8279	Locked	19
28	8280	Locked	18
29	8281	Locked	20
30	8282	Locked	20
31	8308	Locked	16
32	8369	Locked	15

Sr. No.	Roll No. / Reg No.	Lock Status	Marks

Dr. Abhijeet R. Kasabar

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD JUNE 1964 KOLHAPUR (AUTO.)

29/7/2021

Dr. Salokhe S. P.

Name & Signature of External Examiner

Print Date : 29/07/2021 1:22:29PM

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

KOLHAPUR

1321

MARK ENTRY REPORT

Session : JULY-AUGUST 2021

Course : B.SC. SEM 6

Max Marks : 20

Subject : BOTANY

Subject Code : DSE 1007F2

Exam Name : CIE

Sr. No.	Roll No. / Reg No.	Lock Status	Marks
1	8253	Locked	19
2	8254	Locked	20
3	8255	Locked	20
4	8256	Locked	18
5	8257	Locked	20
6	8258	Locked	19
7	8259	Locked	20
8	8260	Locked	20
9	8261	Locked	20
10	8262	Locked	20
11	8263	Locked	20
12	8264	Locked	20
13	8265	Locked	19
14	8266	Locked	20
15	8267	Locked	16
16	8268	Locked	19
17	8269	Locked	20
18	8270	Locked	18
19	8271	Locked	20
20	8272	Locked	20
21	8273	Locked	20
22	8274	Locked	20
23	8275	Locked	20
24	8276	Locked	20
25	8277	Locked	20
26	8278	Locked	19
27	8279	Locked	19
28	8280	Locked	18
29	8281	Locked	20
30	8282	Locked	20
31	8368	Locked	16
32	8369	Locked	15

Sr. No.	Roll No. / Reg No.	Lock Status	Marks

Dr. Abhijeet R. Kasabar

Name & Signature of Internal Examiner

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

Dr. Salokhe S. P.

Name & Signature of External Examiner

Print Date : 29/07/2021 1:23:37PM

135

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
MARKS ENTRY REPORT

Session : JULY-AUGUST 2021
Course : B.SC. SEM 6
Subject : BOTANY (DSE 1007F1

Exam Name : CIE
Max Marks : 20

SR NO	ResultDetailId	FullName	RollNumber	ExamRollNumber	MarksObtained
1	13614517	BAGWAN SIDDHIKA JAHIDAHMAD	8253	8253	19
2	13614500	BAVACHE DHANANJAY KIRAN	8254	8254	20
3	13614522	CHAVAN SIDDHI MILIND	8255	8255	20
4	13614502	GADGIL JYOTI BAJIRAO	8256	8256	18
5	13614496	GOKHALE MAKARAND MOHAN	8257	8257	20
6	13673622	HUNDEKARI VRUSHABH SUNIL	8258	8258	19
7	13614495	KADAM RUSHIKESH BALASAHEB	8259	8259	20
8	13614516	KADAM RUTUJA VITTHAL	8260	8260	20
9	13614521	KESARKAR ABHISHEK NARSINGRAO	8261	8261	20
10	13614515	KESARKAR PRAJAKTA RAJARAM	8262	8262	20
11	13614505	KHADE AAKANKSHA HARISHCHANDRA	8263	8263	20
12	13614510	KHOT OMKAR RAMCHANDRA	8264	8264	20
13	13614512	KHOT SANMATI AANNASO	8265	8265	19
14	13614513	KHOT SHUBHANGI KRISHNAT	8266	8266	20
15	13614506	KHOT SOUNDARYA SANJAY	8267	8267	16
16	13614520	KUMBHAR PRANOTI SUNIL	8268	8268	19
17	13614503	MHATUGADE PRAJAKATA SANJAY	8269	8269	20
18	13614523	NAIK RUTUJA LAXMAN	8270	8270	18
19	13614519	NALAWADE PALLAVI UDAY	8271	8271	20
20	13614504	PARIT KOMAL RAJKUMAR	8272	8272	20
21	13614509	PATIL AKANKSHA ASHOK	8273	8273	20
22	13614514	PATIL ULKA BHAGWAN	8274	8274	20
23	13614507	PORE SAINATH VIJAY	8275	8275	20
24	13614494	SASANE AISHWARYA BHAGVAN	8276	8276	20
25	13614511	SASE SAPANA BHARAT	8277	8277	20
26	13614508	SHINGE ALISHA JAGANNATH	8278	8278	19
27	13614497	SWAMI SHIVANI SUBHASH	8279	8279	19
28	13614498	ULAPE ANUJA ARUN	8280	8280	18
29	13614499	VIBHUTE RUTUJA SANTOSH	8281	8281	20
30	13614501	WADEYAR ANIRUDH KRISHNA	8282	8282	20
31	13614524	IDE SUREKHA NAMDEV	8368	8368	16
32	13614525	MORE SUHAS ASHOK	8369	8369	15

Kasaokar
Dr. Abhijeet R. Kasaokar

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR-416003

29/7/2021
Mr. Salokhe S. P.

136

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
MARKS ENTRY REPORT

Session : JULY-AUGUST 2021
Course : B.SC. SEM 6
Subject : BOTANY (DSE 1007F2

Exam Name : CIE
Max Marks : 20

SR NO	ResultDetailId	FullName	RollNumber	ExamRollNumber	MarksObt
1	13614517	BAGWAN SIDDHIKA JAHIDAHMAD	8253	8253	19
2	13614500	BAVACHE DHANANJAY KIRAN	8254	8254	20
3	13614522	CHAVAN SIDDHI MILIND	8255	8255	20
4	13614502	GADGIL JYOTI BAJIRAO	8256	8256	18
5	13614496	GOKHALE MAKARAND MOHAN	8257	8257	20
6	13673622	HUNDEKARI VRUSHABH SUNIL	8258	8258	19
7	13614495	KADAM RUSHIKESH BALASAHEB	8259	8259	20
8	13614516	KADAM RUTUJA VITTHAL	8260	8260	20
9	13614521	KESARKAR ABHISHEK NARSINGRAO	8261	8261	20
10	13614515	KESARKAR PRAJAKTA RAJARAM	8262	8262	20
11	13614505	KHADE AAKANKSHA HARISHCHANDRA	8263	8263	20
12	13614510	KHOT OMKAR RAMCHANDRA	8264	8264	20
13	13614512	KHOT SANMATI AANNASO	8265	8265	19
14	13614513	KHOT SHUBHANGI KRISHNAT	8266	8266	20
15	13614506	KHOT SOUNDARYA SANJAY	8267	8267	16
16	13614520	KUMBHAR PRANOTI SUNIL	8268	8268	19
17	13614503	MHATUGADE PRAJAKATA SANJAY	8269	8269	20
18	13614523	NAIK RUTUJA LAXMAN	8270	8270	18
19	13614519	NALAWADE PALLAVI UDAY	8271	8271	20
20	13614504	PARIT KOMAL RAJKUMAR	8272	8272	20
21	13614509	PATIL AKANKSHA ASHOK	8273	8273	20
22	13614514	PATIL ULKA BHAGWAN	8274	8274	20
23	13614507	PORE SAINATH VIJAY	8275	8275	20
24	13614494	SASANE AISHWARYA BHAGVAN	8276	8276	20
25	13614511	SASE SAPANA BHARAT	8277	8277	20
26	13614508	SHINGE ALISHA JAGANNATH	8278	8278	19
27	13614497	SWAMI SHIVANI SUBHASH	8279	8279	19
28	13614498	ULAPE ANUJA ARUN	8280	8280	18
29	13614499	VIBHUTE RUTUJA SANTOSH	8281	8281	20
30	13614501	WADEYAR ANIRUDH KRISHNA	8282	8282	20
31	13614524	IDE SUREKHA NAMDEV	8368	8368	16
32	13614525	MORE SUHAS ASHOK	8369	8369	15

Kasaokar
Dr. Abhijeet R. Kasaokar

29/7/24
Com. Salokhe S.P.

VIVEKANAND COLLEGE ESTD. JUNE 1964 KOLHAPUR 416003

137

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
MARKS ENTRY REPORT

Session : JULY-AUGUST 2021
Course : B.SC. SEM 6
Subject : BOTANY (DSE 1007F2

Exam Name : CIE
Max Marks : 20

SR NO	ResultDetailId	FullName	RollNumber	ExamRollNumber	MarksObt
1	13614517	BAGWAN SIDDHIKA JAHIDAHMAD	8253	8253	19
2	13614500	BAVACHE DHANANJAY KIRAN	8254	8254	20
3	13614522	CHAVAN SIDDHI MILIND	8255	8255	20
4	13614502	GADGIL JYOTI BAIRAO	8256	8256	18
5	13614496	GOKHALE MAKARAND MOHAN	8257	8257	20
6	13673622	HUNDEKARI VRUSHABH SUNIL	8258	8258	19
7	13614495	KADAM RUSHIKESH BALASAHEB	8259	8259	20
8	13614516	KADAM RUTUJA VITTHAL	8260	8260	20
9	13614521	KESARKAR ABHISHEK NARSINGRAO	8261	8261	20
10	13614515	KESARKAR PRAJAKTA RAJARAM	8262	8262	20
11	13614505	KHADE AAKANKSHA HARISHCHANDRA	8263	8263	20
12	13614510	KHOT OMKAR RAMCHANDRA	8264	8264	20
13	13614512	KHOT SANMATI AANNASO	8265	8265	19
14	13614513	KHOT SHUBHANGI KRISHNAT	8266	8266	20
15	13614506	KHOT SOUNDARYA SANJAY	8267	8267	16
16	13614520	KUMBHAR PRANOTI SUNIL	8268	8268	19
17	13614503	MHATUGADE PRAJAKATA SANJAY	8269	8269	20
18	13614523	NAIK RUTUJA LAXMAN	8270	8270	18
19	13614519	NALAWADE PALLAVI UDAY	8271	8271	20
20	13614504	PARIT KOMAL RAJKUMAR	8272	8272	20
21	13614509	PATIL AKANKSHA ASHOK	8273	8273	20
22	13614514	PATIL ULKA BHAGWAN	8274	8274	20
23	13614507	PORE SAINATH VIJAY	8275	8275	20
24	13614494	SASANE AISHWARYA BHAGVAN	8276	8276	20
25	13614511	SASE SAPANA BHARAT	8277	8277	20
26	13614508	SHINGE ALISHA JAGANNATH	8278	8278	19
27	13614497	SWAMI SHIVANI SUBHASH	8279	8279	19
28	13614498	ULAPE ANUJA ARUN	8280	8280	18
29	13614499	VIBHUTE RUTUJA SANTOSH	8281	8281	20
30	13614501	WADEYAR ANIRUDH KRISHNA	8282	8282	20
31	13614524	IDE SUREKHA NAMDEV	8368	8368	16
32	13614525	MORE SUHAS ASHOK	8369	8369	15

29-07-21

Head 29/7/2021.
Department of Botany
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE * ESTD. JUNE 1964 * KOLHAPUR-416003